

Sample Paper – SET1 Class-XII Subject: Informatic Practices

| 1 | Answer the following questions: | 2 | | | | | | |
|-------|---|---|--|--|--|--|--|--|
| (a) | What is the difference between Star Topology and Bus Topology of network? | | | | | | | |
| Ans. | Bus topology: All devices are connected to a central cable, called the bus or backbone. Bus networks are | | | | | | | |
| | relatively inexpensive and easy to install for small networks. Ethernet systems use a bus topology. | | | | | | | |
| | Star topology: All devices are connected to a central hub. Star networks are relatively easy to install and | | | | | | | |
| | manage, but bottlenecks can occur because all data must pass through the hub | | | | | | | |
| (b) | What is the full form of the following | 2 | | | | | | |
| | i) FTP ii)RSS iii) TTF iv) GNU v) FLOSS vi)JDBC | | | | | | | |
| Ans. | FTP: File Transfer Protocol | | | | | | | |
| | RSS: Really Simple Syndication | | | | | | | |
| | TTF: True Type Font | | | | | | | |
| | OSI: Open Source Initiative | | | | | | | |
| | FLOSS: Free Libre and Open Source Software | | | | | | | |
| | JDBC: Java Data Base Connectivity | | | | | | | |
| (c) | What to you understand by Domain resolution? | 2 | | | | | | |
| Ans. | Internally computer follows a mechanism to obtain IP address of a website from a URL. This mechanism is | | | | | | | |
| | known as Domain Name Resolution | | | | | | | |
| (d) | What are the facilities provided by the SERVER in a network environment? | 2 | | | | | | |
| Ans. | Facilities provided by the SERVER in a network environment are as follow- | | | | | | | |
| | Resource Sharing | | | | | | | |
| | Centralized database storage | | | | | | | |
| | Internet Sharing with authentication | | | | | | | |
| | Account Monitoring | | | | | | | |
| (e) | Explain the following terms: 2 | | | | | | | |
| | i) Linux ii) FSF | | | | | | | |
| Ans. | Linux – Linux is a popular operating system. It is an example of free software and open source development. It is | | | | | | | |
| | not freely available for use, but also its code is freely available for use and modification and fro redistribution. It | | | | | | | |
| | was originally written by Linus Trovals. | | | | | | | |
| | FSF – FSF stands for Free Software Foundation. FSF is a non-profit organization created for the purpose of | | | | | | | |
| | supporting free software movement. Richard Stallman founded FSF in 9185 to support GNU project and GNU | | | | | | | |
| | licenses. | | | | | | | |
| 2 (a) | What is e-Learning? | 1 | | | | | | |
| Ans. | e-Learning is the delivery of a learning, training or education program by electronic means.E-learning can be CD- | | | | | | | |
| | ROM-based, Network-based, Intranet-based or Internet-based in some way to provide training, educational or | | | | | | | |
| | learning material. e-learning allows you to learn anywhere and usually at any time. It can include text, video, | | | | | | | |
| | audio, animation and virtual environments. | | | | | | | |
| (b) | Explain any two major projects of E-Governance in India. | 1 | | | | | | |
| Ans. | The 2 major projects of E-Governance in India are: | | | | | | | |
| | 1. DRDO: It is a network of more than 50 laboratories which are engaged in developing defence technologies | | | | | | | |
| | covering various disciplines like naval system, special materials, advanced computing etc. | | | | | | | |

📽 cbse cs n ip

| 2. Indian Courts: It includes the website of Supreme Court and all 21 high courts and their benches in India. It | | | | | | |
|--|--|---|--|--|--|--|
| provides us a single point access to information related to the Supreme Court and High Court in India. | | | | | | |
| What is m-commerce? | | | | | | |
| M-commerce (mobile commerce) is the buying and selling of goods and services through wireless technology | | | | | | |
| using mobile phones or PDAs. | using mobile phones or PDAs. | | | | | |
|) Explain any two features of front-end. | | 1 | | | | |
| The features of front-end are: 1. Display: It includes the type of widgets used, user friendly, dialog-usage, or 2. Functionality Feature: It includes the validation, security features, storage, responsive features etc. | correct usage of controls etc. recall feature, performance, speed | | | | | |
| Acme Education has set up its new branch at Jaipur for its office a | nd web based activities. It has 4 | | | | | |
| wings of buildings as shown in the diagram: | | | | | | |
| Wing Y Wing Y Wing Y V Y Wing X to Wing Z 50 m Wing Y to Wing X 125 m Wing Y to Wing U 80 m Wing X to Wing U 175 m Wing Z to Wing U 90 m (i) Suggest the most suitable place for Repeater and switch and j (ii) Suggest the most suitable place to house the server. | wing z computers 50 30 15 15 | 2 1 | | | | |
| (iii) Suggest the most suitable cable layout and topology between | various wings. | 1 | | | | |
| ns. Try this question to solve. | | | | | | |
| (a) What will be the output of the following program code when the user will public class class1 { | press JButton: | 3 | | | | |
| <pre>int a; public class1(int p) {</pre> | | | | | | |
| public class2(int p) | | | | | | |
|))))))))) | <pre>2. Indian Courts: It includes the website of Supreme Court and all 21 high of provides us a single point access to information related to the Supreme Cou What is m-commerce? M-commerce (mobile commerce) is the buying and selling of goods and ser using mobile phones or PDAs. Explain any two features of front-end. The features of front-end are: 1. Display: It includes the type of widgets used, user friendly, dialog-usage, of 2. Functionality Feature: It includes the validation, security features, storage, responsive features etc. Acrem Education has set up its new branch at Jaipur for its office an wings of buildings as shown in the diagram:</pre> | Z India Courts it includes the website of supreme Court and all 1 high courts and their benches in India. It provides us a single point access to information related to the Supreme Court and High Court in India. What is m-commerce (mobile commerce) is the buying and selling of goods and services through wireless technology using mobile phones or PDAs. Explain any two features of front-end. The features of front-end are: 1. bisplay: It includes the type of widgets used, user friendly, dialog-usage, correct usage of controls etc. 2. Functionality Features it includes the validation, security features, storage, recall feature, performance, speed responsive features etc. Acme Education has set up Its new branch at Jaipur for Its office and web based activities. It has 4 wings of buildings as shown in the diagram: Wing X to Wing Z 50 m Wing X to Wing Z 50 m Wing X to Wing U 125 m Wing X to Wing U 100 m Wing X to Wing U 100 m (i) Suggest the most suitable place for Repeater and switch and Justify. (ii) Suggest the most suitable place to house the server. (iii) Suggest the most suitable place to house the server. (iii) Suggest the most suitable place to house the server. (iii) Suggest the most suitable place to house the server. (iiii) Suggest the most suita | | | | |



```
{
                  super(p);
                  b=p+5;
           }
           int disp()
           {
                  System.out.println(super.disp());
                  return b;
           }
     }
     private void jButtonlActionPerformed(java.awt.event.ActionEvent evt) {
           class2 c2 = new class2(15);
           System.out.println("
                                             " + c2.disp());
Ans.
     15
           20
                                                                                            2
(b)
     Rewrite the following if-else segment using switch-case statement
              char ch = P';
              if((ch == 'p') || (ch == 'P'))
                   System.out.println("Platinum");
              if((ch == `g') || (ch == `G'))
                   System.out.println("Gold");
              if(ch == `S')
                  System.out.println("Silver");
              else
                   System.out.println("Normal");
     char ch = P';
Ans.
     switch(ch)
     {
           case 'p':
           case 'P':
                 System.out.println("Platinum");
                 break;
           case `g':
           case `G':
                 System.out.println("Gold");
                 break;
           case `S':
                 System.out.println("Silver");
                 break;
           default:
                 System.out.println("Normal");
                 break;
(c)
                                                                                           2
     The following code has some error(s). Rewrite the correct code underlining all the correction made:
     int numl=Integer.parseInt(jTextField1.getText());
     String num2=Integer.parseInt(jTextField2.getText());
     int sum=num1+num2;
     jLabel1.setText(sum);
```



| Ans. | int sum; | |
|--------|--|---|
| | <pre>int numl=Integer.parseInt(jTextField1.getText());</pre> | |
| | <pre>String num2=Integer.parseInt(jTextField2.setText());</pre> | |
| | int sum=num1+num2; | |
| | jLabel1.setText(""+sum); OR jLabel1.setText(Integer.toString+sum); | |
| (d) | What is Dialog box? | 2 |
| Δns. | It is a window that pops up on the screen with options that the user can select. After the selections have been | |
| / | made, the user can typically click "OK" to enter the changes or "Cancel" to discard the selections. It is customary | |
| | for menu options that include an ellipsis at the end, such as "Preferences" or "Save As", to open a dialog box | |
| | when selected. | |
| (e) | Briefly explain the concept of ResultSet method. Also, discuss the next() and first() methods. | 2 |
| Ans. | A ResultSet object maintains a cursor, which points to its current row of data. When a ResultSet object is first | |
| / | created the cursor is positioned before the first row | |
| | The methods of DesultSet chiest are: | |
| | | |
| | next() - moves the cursor forward one row. Returns true if the cursor is currently positioned on a row and false | |
| | if the cursor is positioned after the last row. | |
| | first() - moves the cursor to the first row in the ResultSet object. Returns true if the cursor is currently | |
| | positioned on the first row and false if the ResultSet object does not contain any rows. | |
| (f) i. | Write any minimum 4 features of XML. | 2 |
| Ans. | The features of XML are as follows: | |
| | 1. XML was designed to carry data, not to display data - Describes data & focuses on what data is. | |
| | 2. XML is free and extensible - We can create our own tag set. | |
| | 3. XML is platform independent - Can run on all platforms. It is created using standard text files. | |
| | 4. XML can Separate Data from HTML - Stores & describes data which can later be formatted & presented in | |
| | described way. | |
| ii. | Write HTML code for the following page for generating Form: | 2 |
| | Continue 14 | |
| | | |
| | Customer Name: | |
| | | |
| | Cutomer Membership: Ulatinum 📼 | |
| | Golo | |
| | Silver | |
| | DIOLIZE | |
| | | |
| | | |
| | A | |
| Ans. | <html></html> | |
| Ans. | <html> <head></head></html> | |
| Ans. | <html> <head> <title>FORM</title></head></html> | |
| Ans. | <html> <head> <title>FORM</title> </head> <body></body></html> | |
| Ans. | <html> <head> <title>FORM</title> </head> <body> <form_name="form1"></form_name="form1"></body></html> | |
| Ans. | <pre><html> <html> <head> <title>FORM</title> </head> <body> <form name="form1"> Customer Id:<input name="" type="text"/></form></body></html></html></pre> | |
| Ans. | <pre></pre> | |
| Ans. | <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre> </pre> | |
| Ans. | <pre></pre> | |
| Ans. | <pre><html> <html> <head> <title>FORM</title> </head> <body> <form name="form1"> Customer Id:<input name="" type="text"/> Customer Name:<input name="" type="text"/> Customer Name:<input name="" type="text"/></form></body></html></html></pre> | |
| Ans. | <html> <html> <head> <title>FORM</title> </head> <body> <form name="form1"> Customer Id:<input name="" type="text"/> Customer Name:<input name="" type="text"/> Customer Name:<input name="" type="text"/> Customer Membership:<select id="select" name="select"> <option>Platinum</option></select></form></body></html></html> | |



| | <pre><option>Silver</option> </pre> | | | | | | |
|--------|---|---|--|--|--|--|--|
| | <pre><option>Bronze</option> </pre> | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| (g) i. | What do you understand by option VLINK used with <body> tag?</body> | 1 | | | | | |
| Ans. | When we use VLINK option in <body> tag it set the visited link color in an HTML document. Syntax for using</body> | | | | | | |
| | VLINK is body vlink="color name hex number rgb number"> | | | | | | |
| 4 | Mr. Lal is designing the GUI for managing customer details. The GUI designed in Netbeans is as follows: | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | Customer Int 123598 | | | | | | |
| | Custorrer Narre. Mihir Ranjan | | | | | | |
| | Costomer Address. | | | | | | |
| | D.N.Das Lanc | | | | | | |
| | Рала | | | | | | |
| | Bhar | | | | | | |
| | | | | | | | |
| | NEXT PREVIOUS FXIT | | | | | | |
| | Answer the following: | | | | | | |
| | i) Mr. Lal wants that when the form is run, it should display the details of first customer in the form from the | r | | | | | |
| | customer database. Which event he should handle to write the java code to do the above? And write the code | Z | | | | | |
| | for performing the task. | 2 | | | | | |
| | ii) Write java code to navigate current customer record to next customer record or from to navigate from | 2 | | | | | |
| | current customer record to previous customer record from the table CUST(CID, CNAME, CADDR) in the database | 1 | | | | | |
| | CUSTOMER and display the id and name in the textfield, and address in the textarea. | - | | | | | |
| | iii) Write java code to exit from the application, when the exitBTN is clicked | | | | | | |
| Ans. | windowOpened() event should be handle. And for accomplishing the task is | | | | | | |
| | try | | | | | | |
| | { | | | | | | |
| | Class .forName("com.mysql.jdbc.Driver"); | | | | | | |
| | con = | | | | | | |
| | DriverManager.getConnection("jdbc:mysql://localhost:3306/customer","root","" | | | | | | |
| | String gal-"SELECT OID CNAME CADDE EPOM CUST:": | | | | | | |
| | setting sql- Shleer CiD, CNAME, CADDR FROM COST/ / | | | | | | |
| | smu=con.createstatement(); | | | | | | |
| | is sheeteequery(bqr), | | | | | | |
| | <pre>rs.next();</pre> | | | | | | |
| | String cid=Integer toString(rs getInt(1)): | | | | | | |
| | String chame=rs getString(2): | | | | | | |
| | String cadd=rs.getString(3); | | | | | | |
| | | | | | | | |



```
jTextField1.setText(cid);
        jTextField2.setText(cname);
        jTextArea1.setText(cadd);
     }
     catch(Exception e){
        e.printStackTrace();
     }
     Code For Next Button -
     try{
        rs.next();
        String cid=Integer.toString(rs.getInt(1));
        String cname=rs.getString(2);
        String cadd=rs.getString(3);
        jTextField1.setText(cid);
        jTextField2.setText(cname);
        jTextAreal.setText(cadd);
     }
     catch(Exception e){
        e.printStackTrace();
     }
     Code For Previous Button -
     try{
        rs.prevoius();
        String cid=Integer.toString(rs.getInt(1));
        String cname=rs.getString(2);
        String cadd=rs.getString(3);
        jTextField1.setText(cid);
        jTextField2.setText(cname);
        jTextAreal.setText(cadd);
     }
     catch(Exception e){
        e.printStackTrace();
     Code for Exit Button -
        System.exit(0);
5(a)
     Differentiate between TRUNCATE TABLE and DROP TABLE in SQL.
                                                                                                 2
Ans.
      Truncate
                                                  Drop
      Data in the table it will be deleted, but the structure
                                                  Structure and data in the table both will be deleted.
      of the table is available.
      This is a DML command
                                                  This is a DDL command
                                                  Syntax: DROP TABLE table_name;
      Syntax:
      TRUNCATE TABLE table_name;
     What is data redundancy? What are the problems associated with it?
(b)
                                                                                                 1
```

📽 cbse cs n ip

| Ans. | Data re | Data redundancy means duplication of data. It causes duplicate data at different locations which destroys the | | | | | | | |
|-------|--|---|----------------|---------------------|----------------------|-------------|---------------------|--------------|---|
| | integri | integrity of the database. | | | | | | | |
| (c) | What o | What does isolation property imply? | | | | | | 1 | |
| Ans. | Isolatio | on property implies that | at each tran | saction is unaw | are of other trans | actions e | xecuting concurr | ently in the | |
| | system | system. | | | | | | | |
| (d) | Explair | n atomicity property o | of transaction | on. | | | | | 2 |
| Ans. | Atomic | city property ensures t | hat either a | II operations of | the transaction a | re reflecte | ed or none are. T | his property | |
| | has tw | o states: Successful or | Unsuccess | ful. | | | | | |
| | Succes | sful state means a trai | nsaction mu | ist complete suc | cessfully and its e | effect sho | uld be visible in t | he database. | |
| | Unsuco | cessful state means if a | a transactio | n fails during ex | ecution, then all i | ts modific | ations must be u | indone to | |
| | remov | e the effect of failed ti | ransaction. | C | , | | | | |
| (e) | Name | the clauses for the fol | lowing: | | | | | | 2 |
| (-) | i. To | display the record in s | specified rai | nge. | | | | | |
| | ii. Flir | minate the redundant | data from t | he query result | | | | | |
| | iii. De | letes the rows from ta | ble name a | and returns the | number of rows c | leleted | | | |
| | iv To | find the rows that do | not match i | n the list | | leieteu | | | |
| Δns | i BF | | | | | | | | |
| AII3. | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | ha (i) ha (ri) and | | | | uha haata af | |
| | write : | SQL commands for the | e statemen | ts (I) to (VI) and | give outputs for a | SQL queri | es (VII) to (x) on | the basis of | |
| | the tar | ble Shop. | | | | | | | |
| | Table: | Shop | | | | | | 1 | |
| | No. | Shop_name | Sale | Area | Cust_percent | Rating | City | | |
| | 1 | West side | 250000 | West | 68.6 91.9 | C | Deini | | |
| | 2 | Sir's & Hor's | 200000 | North | 01.0 70.9 | R | Amritear | | |
| | <u>з</u> | Shorts king | 380000 | North | 88.0 | B | Baroda | | |
| | 5 | Biswas stores | 456000 | Fast | 92.0 | Δ | Delhi | | |
| | 6 | Big Bazar | 290000 | South | 66.7 | A | Kolkota | | |
| | 7 | Levis' | 230000 | East | 50.0 | C | Jamshedpur | | |
| | 8 | Peter England | 428000 | South | 90.0 | А | Chennai | | 1 |
| | | | | 1 | | <u>.</u> | | 1 | 1 |
| | (i) | To display the name | of all shops | which are in Ar | ea South and sale | more that | an average sales. | | 1 |
| | (ii) | To display shop nam | e and Custo | omer Percentage | e of all the shops l | naving cus | st_percentage is | more than | 1 |
| | | 77 and less than 90. | | | | | | | 1 |
| | (iii) | To display list of all t | he shops wi | ith sales less tha | n 300000, in asce | ending orc | ler of shop name | | 1 |
| | (IV) | To display the city al | ong with su | m of sale for each | ch city. | lor of area | | | 1 |
| | (V) (vi) | To display all the Col | umns where | e rating is A in tr | on is there | ier of area | d; | | |
| | (vi) (vii) | Select min(sale) from | n SHOP who | |) Group by Sales | | | | 1 |
| | (viii) | Select Count(Distinct | t City) from | Shon: | , aloup by Jaies, | | | | 1 |
| | (ix) | Select Avg(Sale) from | n Shop whe | re Area='South' | ; | | | | |
| | (x) Select Avg(Cust_percentage), sum(sale) from shop where Rating='A'; | | | | | | | | |
| Ans. | (i) | SELECT Shop_name I | ROM Shop | WHERE Area LII | KE 'South' AND Sa | le>AVG(S | ale); | | |
| 1 | (ii) | (ii) SELECT Shop_name, Cust_percent FROM Shop WHERE Cust_percent BETWEEN 70 AND 99; | | | | | | | |



| OR | | | | | | | | |
|--|---|---|---|---|---|--|--|--|
| | SELECT Shop_name, Cust_percent FROM Shop WHERE Cust_percent >70 AND Cust_percent < 99; | | | | | | | |
| (iii) | (iii) SELECT Shop_name from Shop WHERE Sale<300000 ORDER BY Shop_Name; | | | | | | | |
| (iv) | SELECT City,SUM(S | ale) FROM Shop GR | OUP BY CITY; | | | | | |
| (v) | SELECT * FROM Sh | op WHERE Rating LI | ke 'A' order | BY Area DESC; | | | | |
| (vi) | SELECT Area FROM | shop GROUP BY AF | REA HAVING C | COUNT(Area) >1; | | | | |
| (vii) | <u>min(sale)</u> | | | | | | | |
| | 380000 | | | | | | | |
| | 428000 | | | | | | | |
| | 456000 | | | | | | | |
| <i>(</i> , | 500000 | , | | | | | | |
| (VIII) | Count(Distinct City | 1 | | | | | | |
| (ix) | o Avg(Sale) | | | | | | | |
| . , | 406000.0000 | | | | | | | |
| (x) | <u>Area</u> | | | | | | | |
| | East | | | | | | | |
| | North | | | | | | | |
| | South | | | | | | | |
| Write t | he SQL command to | create the TEACHE | R and DEPAR | MENT tables including its co | onstraints. | 2 | | |
| <u>Table :</u> | TEACHER | | | | | | | |
| | Column Name | Data Type | Size | Constraint | | | | |
| | TNO | CHAR | 4 | PRIMARY KEY | | | | |
| | TNAME | VARCHAR | 20 | NOT NULL | | | | |
| | TADDRESS | VARCHAR | 25 | | | | | |
| | SALARY | DOUBLE | 7,2 | NOT NULL and | | | | |
| | | | | DEFAULT 0.0 | | | | |
| | DEPT_NO | CHAR | 4 | NOT NULL | | | | |
| | DOJ | DATE | | | | | | |
| CREA | TE TABLE teach | ner (| | | | | | |
| TNO (| CHAR(4) PRIMAR | RY KEY, | | | | | | |
| TNAM | E VARCHAR(20) | NOT NULL, | | | | | | |
| TADDI | RESS VARCHAR(2 | 25), | | | | | | |
| SALA | RY DOUBLE NOT | NULL DEFAULT | 0.0, | | | | | |
| DEPT_ | _NO CHAR(4) NO |)T NULL, | | | | | | |
| DOJ 1 | DATE); | | | | | | | |
| Write t | he resulting output | of the following: | | | | 2 | | |
| | (i) SELECT SUBSTR | R(TRIM(' Inforn | natics Practice | es is very useful subject'),13, | 17); | | | |
| | (ii) SELECT FLOOR | (65467.60) + ROUN | D(1234.73, 2 | .) | | | | |
| | (iii) SELECT ROUNE |)(MOD(14*9,90/9)); | | | | | | |
| | (iv) SELECT SUBSTR | R(UPPER(SUBSTR('In | dia is best',2,8 | 3)),2); | | | | |
| (i) <u>SUBSTR(TRIM(' Informatics Practices is very useful subject'),13,17)</u> | | | | | | | | |
| (1) <u>300.</u> | | | Practices is very | | | | | |
| (1) <u>306.</u> Prac | tices is very | | | | | | | |
| (i) <u>506.</u> Prac (ii) <u>FLO</u> | tices is very OR(65467.60) + ROI | JND(1234.73, 2) | · | | | | | |
| (i) <u>308.</u> Prac (ii) <u>FLO</u> 667 | ctices is very OR(65467.60) + ROI 01.73 | JND(1234.73, 2) | · | | | | | |
| (i) <u>508.</u> Prac (ii) <u>FLO</u> 667 (iii) <u>ROI</u> | tices is very <u>OR(65467.60) + ROU</u> 01.73 <u>UND(MOD(14*9,90</u> / | JND(1234.73, 2) (9)) | · | | | | | |
| | (iii) (iv) (v) (vi) (vii) (viii) (ix) (x) (x) Write t Table : Table : TNO TNAM TADD SALA DEPT DOJ Write t | SELECT Shop_name (iii) SELECT Shop_name (iv) SELECT City,SUM(S) (v) SELECT Area FROM (vii) <u>min(sale)</u> 380000 428000 428000 428000 (viii) <u>Count(Distinct City</u> 6 (ix) <u>Avg(Sale)</u> 406000.0000 (x) <u>Area</u> East North South Write the SQL command to <u>Table : TEACHER</u> <u>Column Name</u> TNO TNAME TADDRESS SALARY <u>DEPT_NO</u> DOJ CREATE TABLE teach TNO CHAR(4) PRIMAE TNAME VARCHAR(20) TADDRESS VARCHAR(2 SALARY DOUBLE NOT DEPT_NO CHAR(4) NO DOJ DATE); Write the resulting output (i) SELECT SUBSTE (ii) SELECT ROUND (iv) SELECT SUBSTE (ii) SUBSTE | SELECT Shop_name, Cust_percent FRO (iii) SELECT Shop_name from Shop WHERE (iv) SELECT City, SUM(Sale) FROM Shop GROUP BY AF (vi) SELECT Area FROM shop GROUP BY AF (vii) min(sale) 380000 428000 428000 428000 (viii) Count(Distinct City) 6 (ix) Avg(Sale) 406000.0000 (x) Area East North South Write the SQL command to create the TEACHEE TADE : TEACHER Column Name Data Type TNO CHAR TNO CHAR TNAME VARCHAR TADDRESS VARCHAR SALARY DOUBLE DEPT_NO CHAR DOJ DATE CREATE TABLE teacher (TNO CHAR(4) PRIMARY KEY, TNAME VARCHAR(20) NOT NULL, TADDRESS VARCHAR(25), SALARY DOUBLE DEPT_NO CHAR VARCHAR(20) NOT NULL, TADDRESS VARCHAR(25), SALARY DOUBLE NOT NULL DEFAULT DEPT_NO CHAR(4) NOT NULL, TADDRESS VARCHAR(25), SALARY DOUBLE NOT NULL DEFAULT DEPT_NO CHAR(4) NOT NULL, DOJ DATE ; Write the resulting output of the following: (i) SELECT SUBSTR(TRIM(' Inform (ii) SELECT ROUND(MOD(14*9,90/9)); (iv) SELECT SUBSTR(UPPER(SUBSTR('In (ii) SUBSTR(TRIM(' Informatics Practices is very | OR SELECT Shop_name, Cust_percent FROM Shop WHEI (iii) SELECT Shop_name from Shop WHERE Sale<30000 (iv) SELECT City,SUM(Sale) FROM Shop GROUP BY CITY; (v) SELECT * FROM Shop WHERE Rating LIKE 'A' ORDER (vi) SELECT Area FROM shop GROUP BY AREA HAVING C (vii) min(sale) 380000 428000 428000 428000 428000 428000 (viii) <u>Count(Distinct City</u>) 6 (ix) <u>Avg(Sale)</u> 406000.0000 (x) <u>Area</u> East North South Write the SQL command to create the TEACHER and DEPART Table : TEACHER <u>Column Name</u> Data Type Size TNO CHAR 4 TNAME VARCHAR 20 TADDRESS VARCHAR 20 TADDRESS VARCHAR 25 SALARY DOUBLE 7,2 DEPT_NO CHAR 4 DOJ DATE CREATE TABLE teacher (TNO CHAR(4) PRIMARY KEY, TNAME VARCHAR(25), SALARY DOUBLE NOT NULL, TADDRESS VARCHAR 25, SALARY DOUBLE NOT NULL, TADDRESS VARCHAR(25), SALARY DOUBLE NOT NULL, TADDRESS VARCHAR(25), SALARY DOUBLE NOT NULL, TADDRESS VARCHAR(25), SALARY DOUBLE NOT NULL, DOJ DATE); Write the resulting output of the following: (i) SELECT SUBSTR(TRIM(' Informatics Practices (ii) SELECT SUBSTR('India is best',2,8 (i) SUBSTR(TRIM(' Informatics Practices is very useful subject) | OR SELECT Shop_name, Cust_percent FROM Shop WHERE Cust_percent >70 AND Ci (iii) SELECT Shop_name from Shop WHERE Sale<300000 ORDER BY Shop_Name; (iv) SELECT FROM Shop WHERE Rating LIKE 'A' ORDER BY Area DESC; (vi) SELECT * RROM Shop GROUP BY AREA HAVING COUNT(Area) >1; (vii) <u>min(sale)</u> 380000 428000 428000 428000 (viii) <u>Count(Distinct City.)</u> 6 (ix) <u>Avg(Sale)</u> 406000.0000 (x) <u>Area</u> East North South Write the SQL command to create the TEACHER and DEPARTMENT tables including its co Table : TEACHER Column Name Data Type Size Constraint TNO CHAR 4 PRIMARY KEY TNAME VARCHAR 20 NOT NULL TADDRESS VARCHAR 25 SALARY DOUBLE 7,2 NOT NULL DOJ DATE CREATE TABLE teacher (TNO CHAR 4 NOT NULL DOJ DATE CREATE TABLE teacher (TNO CHAR 4 NOT NULL DOJ DATE (i) SELECT SUBSTR(TRIM(' Informatics Practices is very useful subject'),13, (ii) SELECT ROUND(MD2(14*9,909)); (iv) SELECT ROUND(MD2(14*9,909)); (iv) SELECT ROUND(MD2(14*9,909)); (iv) SELECT ROUND(MD2(14*9,909)); (iv) SELECT SUBSTR(UPPER(SUBSTR('India is best',2,8)),2); (i) SUBSTRUTEMENT (i) SELECT SUBSTR(UPPER(SUBSTR('India is best',2,8)),2); (i) SUBSTRUTEMENT (i) SUBSTRUTEMENT (i) SELECT SUBSTR(UPPER(SUBSTR('India is best',2,8)),2); (i) SUBSTRUTEMENT (i) SUBSTRUTEMENT (ii) SUBSTRUTEMENT (ii) SUBSTRUTEMENT (ii) SUBSTRUTEMENT (ii) SUBSTRUTEMENT (ii) SUBSTRUTEMENT (ii) SUBSTRUTEMENT (iii) SUBSTRUTEMENT (iii) SELECT SUBSTRUTEMENT (iiii) SELECT SUBSTRUTEMENT (iiii) SELECT SUBSTR | OR SELECT Shop_name, Cust_percent ROM Shop WHERE Cust_percent >70 AND Cust_percent < 99; (ii) SELECT Shop_name from Shop WHERE Sale<300000 ORDER BY Shop_Name; (iv) SELECT City.SUM(Sale) ROM Shop GROUP BY CITY; (v) SELECT * FROM Shop OWHERE A HAVING COUNT(Area) >1; (vii) SELECT Area FROM shop GROUP BY AREA HAVING COUNT(Area) >1; (vii) min(sale) 380000 428000 4350000 500000 (viii) Count(Distinct City) 6 (ix) Avg(Sale) 406000.0000 (viii) Count(Distinct City) 6 (ix) Avg(Sale) 406000.0000 (viii) Count(Distinct City) 6 (ix) Avg(Sale) 406000.0000 (viii) Count(Distinct City) 6 (viii) Count(Distinct City) 7 (viii) SELECT SUBSTR(Imf() 7 (Informatics Practices is very useful subject'),13,17); 7 (vii) SELECT SUBSTR(Viii) Prefixed Subject'),13,17) 7 (vii) SELECT SUBSTR(Viii) SPactices is very useful subject'),13,17) 7 (vii) SELECT SUBSTR(Viii) SPactices is very useful subject'),13,17) 7 (vii) SELECT SUBSTR(Viii) Prefixed Subject'),13,17) 7 (vii) SELECT SUBSTR(Viii) Prefixed Subject'),13,17) 7 (vii) SELECT SUBSTR(Viii) Prefixed Subject'),13,17) 7 (vii) SELECT SUBSTR(Viii) Prefixe | | |



| | (iv) <u>SUBSTR(UPPER(SUBSTR('India is best',2,8)),2)</u> | |
|------|---|---|
| | DIA IS | |
| (c) | Mr. Chandarana is creating a form for his retail store for adding new items, edit existing items, delete items. | 2 |
| | Help him to choose most appropriate controls from List Box, Combo Box, TextField, TextArea, RadioButton, | |
| | Checkbox, Label, Button and Text Area for the following entries from user. | |
| | 1. A message "Enter Item Name" in front of a TextField. | |
| | 2. A message "Select Existing Items from list" in front of a TextField | |
| | 3. An input to select an existing product from list (there 1200 items) | |
| | 4. An input to choose more than one suppliers (there are 4 suppliers) | |
| | 5. An input for entering cost and quantity of item. | |
| | 6. An input for Damaged item or Not. | |
| Ans. | 1. Label | |
| | 2. Label | |
| | 3. Combo Box | |
| | 4. Checkbox / List Box | |
| | 5. TextField | |
| | 6. RadioButton | |