Create a web page that print your name to the source, print your name in Tahoma font, print a definition list with 5 items, Greate links to 5 different pages, etc. index.jsp <! DOCTYPE html> <html> (head) <title> My Web page <fith>
<Style> Style>
body {
-font-family: Tahoma, Arial, Sam-serif;
} <t Chody> Welcone to my webpage </hl>

 My name is D1 by a Bharat

 My name is D1 by a Bharat
 Ch27 Definition list <1h2> (dl> Cdt7 Item 1 </dt7

Cdd> Definition for 1tem 1 </dd>

Cdt7 Item 2 </dt7
</pre> <dd>> Definition for item 2 </dd>
<dd>
<dd>

</pre Cdd7 Defenition for item 3 Cldd7 Cdt7 Item 4 Cldt7

6217 Zh27 Links to all other pages CIn27 LW7 Chirca href="page1.jsp"> Page 1 <107 <1117 Chirca hruf="page2.jsp"> Page 2 <107 <1017 Chirca href="page3.jsp"> Page 3 <107 <1017 Chirca href="page3.jsp"> Page 3 <107 <1017 Chirca href="page4.jsp"> Page 4 <107 <1017 Chirca href="page5.jsp"> Page 5 <107 <1017 Chirca href="page5.js 21W> <1body>

to demonstrate almost swing import javax. sering. *; import java. aut. event. Action Event; import java. awt. event. Action Listener; public dan Swing Demo. public static I void main (Storing [] args) { JFrance france new JFrance ("Swing Denso"); france. 1et Default Close Operation (JFrance. EXIT_ON_ CLOSE); frame. set Size (400,300); frame. set Layout (new FlowLayout ()); - That Label = new That (This is a Thout"); frame add (label); TTextfield ·textfield = new JTextfield (20); -frame- add (textfield); Joutton button = new JButton ("Click Me"); frame add (button); ThukBox chukBox = new JCherKBox ("ChicKMe"); (chekBox): fram. odd TRadioButton radioButton = new TradioButton ("option" TRadio Button radio Button 2 = new Tradio Button ('option 2')

```
Button Group radio group = new Button group ();
  rediggroup. add (Yddio Button 1);
  radialgroup add (radio Button 2);
   frank add (radio Button 1);
  frame add ( radio Button 2);
Strung[] option = ["Option 1", "Option 2", "Option 3"].
TComboBox (Strung > ComboBox = new J(omboBox
 <> (option);
-frame add (comboBox);
String [] ListData = { "item!", "Item 2", "item 3," Item 4"
JList ( String > List = new JList (> ( List Data);
frame add ( U list );
J TextArea = textarea = new J TextArea (5, 20);
  France add ( textorer );
button add Action Listener (new Action Listener()]
  @ overvide
  public void actionPerformed (Action Evente) {
String input Text= text Field get Text();
 Joption Pane. show Message Diatog (frame, "You elicked - Un button! In Input Text! "+ input Text);
   frame.setVisible(tru);
```

3. Configure Apoche Tomat and write a hello world jsp page Step 1: download latest Apoche tomcot server Step 2: create new project in Netbeam and click 'add' in 'server and settings! Step 3: Schet Apach Tomeat & click Next. Step 4! Select the Location when you installed the server. Set username of parsword of click save settings. Hello.jsp (hthus) Chead? Ctitle > Hello </title> Chody> Chi> Hello World </hi> Clbody > </hrml> web.xml (web-app) < Hello - fill- list > <Hello-file 7 Hello:jsp </Hello-file 7 </Hello-file 7 </Hello-file - Vist > </hello-app>

4. Write a jave program that connects to a datebase using JOBC and does add, dulete and retrieve. import java:sql. Connection; import java sql. Driver Manager; import java sql. Prepared Statement; import jang. sql. result Set; import jans sql. SQL. Exception; public class Datobar Operation { private static final String JDBC URL= "jdbc:mysgl! // b calhost: 3306/ my-db"; 0 private static field String JDBC_USER= "noot"; private static final String JDBC_PASSWORD="root" public static void main (String [] args) { Connection con = null; Lon = Driver Manager get Connection (JDBC-URL, JOBC-USER, JOBC-PASSWORD); add Student (con, "John Doe", 25); retrievestudents (con); dutistudent (connection, 1); eprintstackTrau(); I Finally of

```
( connection ! = null) {
     catch (SQLException e) }
         e printstack trace ();
private static void addStudent (Connection con
Strung name, int age) throws SCPL Exception
String insert Query = "INSERT INTO Students (name age) VALUES (?!?)";
try ( Prepared Statement pg = con.pg (inscit ( very))
    ps. set String (1, name);
ps. set String (2, age);
ps. execute Update ();
System.out Printer (" Student added successfuly"
 private static void retrieve Students (Connection
         thrown SQLException
   String select Chery = "SELECT 1d, name, age
FROM students";
```

```
try ( Prepared Students Statement ps = con. ps (1 det
 (Query);
ResultS'et ns = ps. execute Query ()) {
While (result Sch next(1))
   int id = result ns · getIN+("id");
   String name = r.s. det String ("name");
    int lage = ru. get NH ("age");
System out print In ("ID: "+ i'd+", Name: "+
   name + ", Age: "+ age);
 private static void delite Student C Connection conn,
  int Studentid) throws SQLException
  Strung delitequery = " DELETE FROM students WHERE id = ? ";
  try ( Prepared Statement ps = conn. ps (delete Query))
ps. sed Int (1, studented);
    ps. execute update ();
System out print in (" Student with 10"+ student ent) id + " delute success fully.");
```

Write a client-server program which displays the server mochine's date and time on the clickt mochine. Sewer-side program (Java)! import java. io. *; import java x. Servlet . *: import javay. sewlet https: public clan Date Time Sewlet extends + Htpsewlet { public void do Gret (H+++ Schlet-Request reguest, ++++s.
ervlet Response ru pome) thrown Servlet Evception, 10 Exception[response ret Content Type ("text/ html"); Date sever Date Time = new Date (); Printwriter out = response. getwriter();
Out println ("<html/>"); out print in (" Cheed > Ctitle > Sewer Dots and Time </title > (/heed > "); out println (" < body >');
but println (" < h1>) server Date and Time < 1 h1>"); out Bringen (" ep> The nerver's date and Time k! " of Sever DatiTime + ""); out println ("<150dy >"); out print in ("</html/");

Compile and deploy this servet on Apache Toured. ·Client Side program (TSP): Clientijs p. <! DOCTYPE HTML> (html) (hed > /meta charcet = "UTF-8"> 21 head > <body> Chiz Client Page 2/117 Cp> This page request the newers dole and time! ! ! ! Zp> <a 'href = "Date time Servlet"> Get sewer Date and Time <10> 7 </body> C/h+nu> Start Apache Tomact. Access client by type URL "http://Locothort: 1/8081 / Web Apublication/ Client isp. the Circk the 'Get Server Date and Time " link on the client page. This will call the 'DatiTime sewlet', which will retrieve the nerver's date and time and display it on the client's machine

Write a program to implement a Java Beam to set and get value. import java. io. sevalizable; clan PersonBean implements Serializable { private String firstName; private String LastName; private int age; public PenonBean () { public String getFirstName () {
ruturn firstName; public String getLastName () {
riturn last Name €; public void setFirstName (String FirstName) this first Name = FirstName; public void set Last Name (String, Last Name) this. Last Name = Last Name;

Write a program to retrieve hostname - using methods in Inst Address class. import java. net . *; Public clan HostAddren Unknown to st Exception (Struing ays []) Abrown IntAddren le = IntAddreu getlocaltlost ();

System out printen (ia + "\n");

ia = IntAddren get By Name ("www. donbosco tell
delli.in"); Systemiout println (ia + "\n"); [mit Addrew SW[] = Inet Addrew get All By Name ("www.donboscoitggsipu.org"); for (int i=0; i sw. length; i++) Systemiout frinten (SW[i]);

Write a program to create a login page using Java Beans. Also validate username and particular From databan import java.sql. *;

public class login {

String username = "";

String panword = "";

boolean loggedin = False;

public login () {}

public boolean islogin () return logged In; public String getusername() { public string getpanword () { rutum pauword; 5 Public void setusemanne (String u) [
Usemanne = v; public void retpainword (String p) {
painword = 12 is

public boolean Login (String er1) { Clay-for Name ("com.mysq1.jdbe. Driver"); connection con = Driver Manager. get Connection (4+1) Prepare Statement > prep = Jeon. prepare Statement ("Select osername from osers. where osername = ? and panword = ?"); prep. set String (1, usernam); set string (2, panword); Resultset is = prep. Execute Query (1) 1+ (rs. nex+ ()) Loggedin = true; catch (Exceptione) logged In = fale; }

login. html < html> < heed> Chitle 7 · Login page </title> </heed> < body> / form name = "login" action = "login"
method = "post" > < br > panword (input type= "text" name = "username
panword " > < br ye= " famword " name = "
panword " > < br ye= "famword" name = " <input type = "Submit" value = "login"/>
<input type = "reset" value = "clier"/> Login. jsp: CY @ page contenty | e=" text / html" page - Encod-ing = "UTF=8"/.7 Citip: useBean 1d=" login" clau="login"
 Scope=" (ession") > set Property nam = " Login" Property <! DOCTYPE HAML? < htme> (heed >

= "text/ html; charact = UTF - p > Ctital Login (1++2) (heed> < body > (V. session · set Max Inactive Interval (1800) Login. Login (jdhc: mysgl: // Localhost / Dates and ", "root", "root"); 14 (login · isLogia ())

Out print La (" Hello " + Login - jetuseman
) + " (br>"); out frintln (" Invalid Login (br >"); check (19>"); <body >
<h+me> Polong. 126 Copy page Content Type = "text / html" page

Encoding = "UTF & 8" ">

< jsp = Une Bean id = " Login" clau = " Login"

Scope = "session" / >

<! DOCTYPE HTML> Chtmu> (head > content = "fext / html"; Charet = UTF.8"> <tithe > Logout </title > Coody > C.A. Login. Logout (); <160 dy> Checklogin.jsp! <! DOCTYPE HTML> < home> (hed) Content: "text/ html's Charset: "UTF-5">
Chiffe > Chuck Login < 1 to the >

Lbody >

if (! login. hogin status [) } { response. set Redirect (" login-htme"); 7.7 < 43> flello </->
(1. @ lin clude file: "footer. jsp"").> <160 dy>

Create a laber in the database containing the columns to book details like: book name, lauthor durcription, price and URL of books cover image. Using TSP and JDBC rutrieve the details in the I table and display them on-the webpage. Table creation! use book; create table sbd (brame varcher (100), aname varchar (100), bdesc varcher (150), price int (150), bourt varcher (100)); index. AFme! (html) (hed) Ltituz Book Store App (/tituz </head> <body > CITY C/tr> Str> Ctd> Book Name <1td> 2td> input type = "text" name = "bname" id = "bname"> Ctr> > Author Name & < input type = "text" name = "aname" Id = "aname" 7< 1 to 5(1+x> Ctr7 Ctd7 Book Description (td7 (input type = "text" name = "bdese" id = "bdese" >

C+v><+d> Book Price <1+d><+d> <input - lype = "text"

name = "price" id = "price" > C+r> C+d> Book URL </+d> Chd> Cinput type =" name: "burl" Id= "burl" > (Ad >44x) ctr>< input type="submit"
value="submit"> C/tv>C/form> 2p7 (a href=" display "> view Book Record < 1974p7 <160 dy > </html> Display. 1sp! <4. String brane = request. Setlarance ter ("brane") Connection con; Prepared Statement pst, Statement St; Result set rs; try { Class. for Name ("com. mysq1. jdbc. Driver"); ? (catch (Clan Not Found Exception e) [e. print Stock Trace); y Chtml> Chody > Chi> Retrieve Book details (1/1) Ctable border="1">
> Book Name <1+0> Ctd> Author Name <1+d>Book Description C/+d> Ctdy Price
> Book URL (1+d) C+d>PEdi+ <1+d> Delute <1+d> <1+d> <1+r> (1. try I con. Driver Manager get Connection (" "idbe: "mysgell localhost / book; "root". root");

St = con. create Statement(); String sgl= " Select * from sbd"; While (YS. next ()) (y > (to > < +d> < "Y. = YS. set String ("bname") Y.> C+3> (td) (Y = +5 get String ("anance") 7.7(Hd) (+d) (1. ers. get string ("bdesc") 1.7 < 1+d> <4d></->
< 4d>
< y = rs. (get string (" price") "> ZAd> 2+d7 (4= reget strong ("burl")y.7 LAd> 2+d7 (4 href= "edit-bysp"? Id = Ars. get String ("b nanu") 1. > Edit (19> (1+d> String ("brance") ". 7 Delete (19> < 1+d) 2/1/7 <y. } con close (); } Catch (Exception e) { e. print Stack Trace (); jr. > [Itable > < I body > < I html >.

```
public static vold main (String [] args)
  Person Bean person = new Person Bean ();
   person. set First Name ( "Rame");
   person. Act Last Name (" Kumar");
   person. ret Age (25);
 String first Name = person. get First Name();
String last Name = person. get Last Name();
int age = person. get Age ();
 System. out printen ("First Name: "+ firstName)
System.out printen ("Last Name: "+ Lest Name);
System.out printen ("Age: "+ age);
```