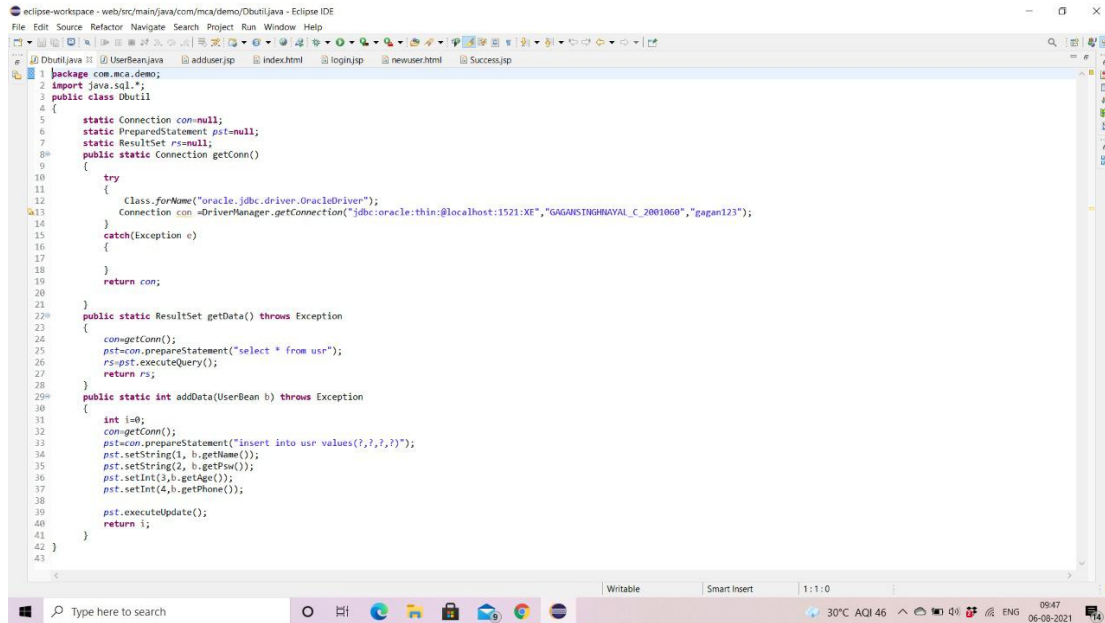


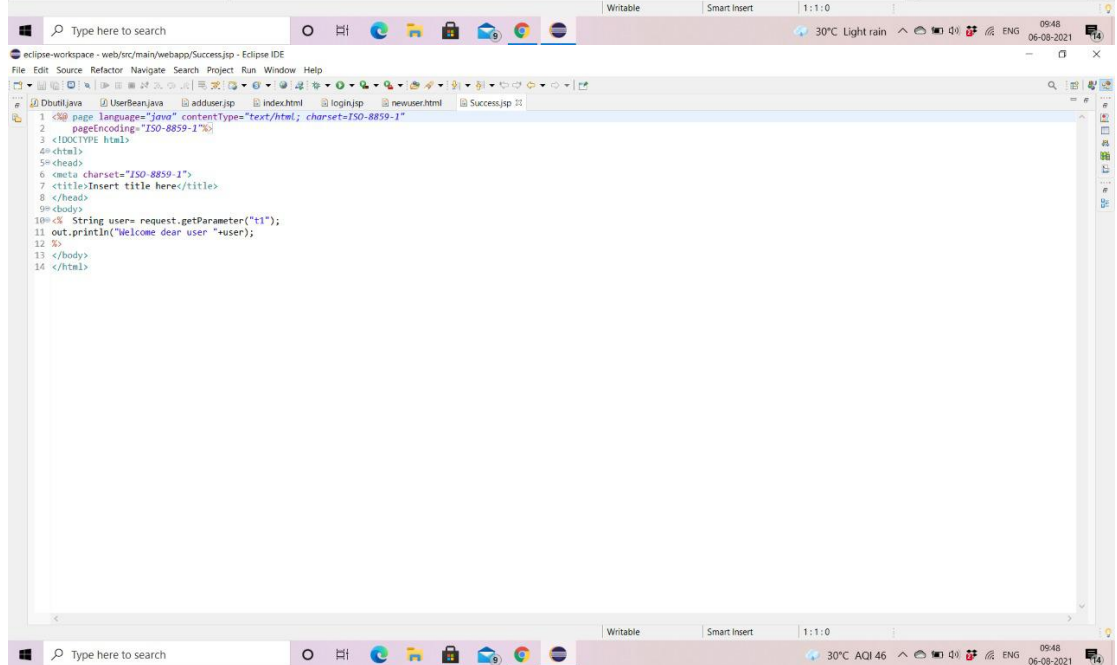
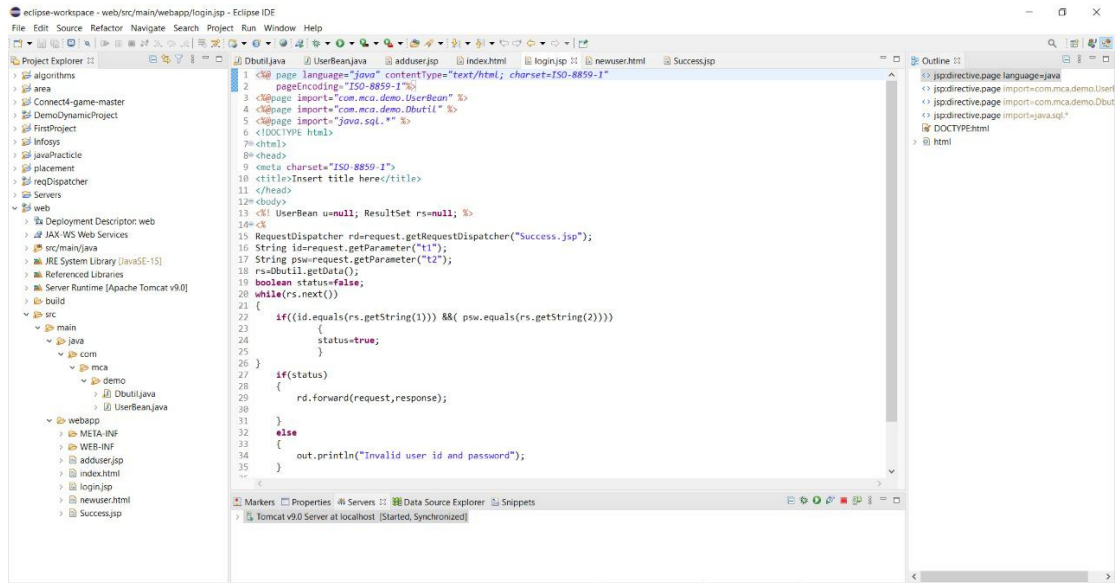
Name- Deeksha
Class- MCA-C
Student ID- 20712180

Q.1: Write a servlet program to create a login page(10 marks)

Screenshot:



```
1 package com.mca.demo;
2 import java.sql.*;
3 public class Dbutil
4 {
5     static Connection con=null;
6     static PreparedStatement pst=null;
7     static ResultSet rs=null;
8     public static Connection getConn()
9     {
10         try
11         {
12             Class.forName("oracle.jdbc.driver.OracleDriver");
13             Connection con =DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE","GAGANSTINGHWAVAL_C_2001060","gagan123");
14         }
15         catch(Exception e)
16         {
17         }
18         return con;
19     }
20 }
21 public static ResultSet getData() throws Exception
22 {
23     con=getConn();
24     pst=con.prepareStatement("select * from usr");
25     rs=pst.executeQuery();
26     return rs;
27 }
28 public static int addData(UserBean b) throws Exception
29 {
30     int i=0;
31     con=getConn();
32     pst=con.prepareStatement("insert into usr values(?,?,?,?)");
33     pst.setString(1, b.getUserName());
34     pst.setString(2, b.getPsw());
35     pst.setInt(3,b.getAge());
36     pst.setInt(4,b.getPhone());
37     pst.executeUpdate();
38     return i;
39 }
40 }
41 }
42 }
43 }
```



```
eclipse-workspace - web/src/main/webapp/newuser.html - Eclipse IDE
File Edit Source Navigate Search Project Run Window Help
Dbutil.java UserBean.java adduser.jsp index.html login.jsp newuser.html Success.jsp
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="ISO-8859-1">
5 <title>Insert title here</title>
6 </head>
7 <body>
8 <form action="adduser.jsp">
9 <table>
10 <tr><td>Enter name</td><td><input type="text" name="t1"></td></tr>
11 <tr><td>Enter psw</td><td><input type="password" name="t2"></td></tr>
12 <tr><td>Enter age</td><td><input type="text" name="t3"></td></tr>
13 <tr><td>Enter phone</td><td><input type="text" name="t4"></td></tr>
14 <tr><td><input type="submit" value="add new user"></td></tr>
15 </table>
16 </form>
17
18 </body>
19 </html>
```

```
eclipse-workspace - web/src/main/webapp/login.jsp - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Dbutil.java UserBean.java adduser.jsp index.html login.jsp newuser.html Success.jsp
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1" %>
2 <%@ pageEncoding="ISO-8859-1" %>
3 <%@ page import="com.mca.demo.UserBean" %>
4 <%@ page import="com.mca.demo.Dbutil" %>
5 <%@ page import="java.sql.*" %>
6 <!DOCTYPE html>
7 <html>
8 <head>
9 <meta charset="ISO-8859-1">
10 <title>Insert title here</title>
11 </head>
12 <body>
13 <% UserBean u=null; ResultSet rs=null; %>
14 <%
15 RequestDispatcher rd=request.getRequestDispatcher("Success.jsp");
16 String id=request.getParameter("t1");
17 String psw=request.getParameter("t2");
18 rs=Dbutil.getData();
19 boolean status=false;
20 while(rs.next())
21 {
22     if((id.equals(rs.getString(1))) && (psw.equals(rs.getString(2))))
23     {
24         status=true;
25     }
26 }
27 if(status)
28 {
29     rd.forward(request,response);
30 }
31 else
32 {
33     out.println("Invalid user id and password");
34 }
35 %>
36
37
38 %>
39 </body>
40 </html>
```

eclipse-workspace - web/src/main/webapp/index.html - Eclipse IDE

File Edit Source Navigate Search Project Run Window Help

Dbutil.java UserBean.java adduser.jsp index.html login.jsp newuser.html Success.jsp

```
1 |
2 <!DOCTYPE html>
3 <html>
4 <head>
5 <meta charset="ISO-8859-1">
6 <title>Insert title here</title>
7 </head>
8 <body>
9 <form action="Login.jsp">
10 <table>
11 <tr><td>Enter user name</td><td><input type="text" name="t1"></td></tr>
12 <tr><td>Enter user psw</td><td><input type="password" name="t2"></td></tr>
13
14 <tr><td><input type="submit" value="Login"></td></tr>
15 <tr>&td><a href="newuser.html">new user</a>
16 </td></tr>
17 </table>
18 </body>
19 </html>
```

Type here to search

Writable Smart Insert 1:1:0

30°C AQI 46 09:47 06-08-2021

```
eclipse-workspace - web/src/main/webapp/adduser.jsp - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Dhtml.java UserBean.java adduser.jsp index.html login.jsp newuser.html Success.jsp
1 <?page language="java" contentType="text/html; charset=ISO-8859-1"
2 pageEncoding="ISO-8859-1"%>
3
4 <?page import="com.mca.demo.UserBean" %>
5 <?page import="com.mca.demo.Dbutil" %>
6 <?page import="java.sql.*" %>
7
8 <!DOCTYPE html>
9<html>
10<head>
11<meta charset="ISO-8859-1">
12<title>Insert title here</title>
13</head>
14<body>
15<%
16    RequestDispatcher rd= request.getRequestDispatcher("index.html");
17    UserBean u=new UserBean();
18    u.setName(request.getParameter("t1"));
19    u.setPsw(request.getParameter("t2"));
20    u.setAge(Integer.parseInt(request.getParameter("t3")));
21    u.setPhone(Integer.parseInt(request.getParameter("t4")));
22    int n=Dbutil.addData(u);
23    if(n!=0){
24        out.println("Data inserted now you can login");
25        rd.include(request, response);
26    }
27 }
28 else
29 {
30     out.println("Not included");
31 }
32 %>
33 </body>
34 </html>
35
```

```
eclipse-workspace - web/src/main/java/com/mca/demo/UserBean.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Dhtml.java UserBean.java adduser.jsp index.html login.jsp newuser.html Success.jsp
1 package com.mca.demo;
2
3 public class UserBean
4 {
5     private String name;
6     private String psw;
7     private int age;
8     private int phone;
9     public String getName() {
10         return name;
11     }
12     public void setName(String name) {
13         this.name = name;
14     }
15     public String getPsw() {
16         return psw;
17     }
18     public void setPsw(String psw) {
19         this.psw = psw;
20     }
21     public int getAge() {
22         return age;
23     }
24     public void setAge(int age) {
25         this.age = age;
26     }
27     public int getPhone() {
28         return phone;
29     }
30     public void setPhone(int phone) {
31         this.phone = phone;
32     }
33 }
34
35
```