


JAVA Assignment-5

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Data-base creation

```
1 SELECT * FROM ABC.COLLEGE_EVENTS FETCH FIRST 100 ROWS ONLY;
```

```
2
```

SELECT * FROM ABC.COLLEGE... ×						
 Max. rows: 100 Fetched Rows: 10 Matching Rows: <input type="text"/>						
#	STUDENT_ID	STUDENT_NAME	GAME	SCHEDULE	PAYMENT_MODE	STATE
1	6	Mothish	cricket	2020-06-26 08:00:00.907	cash	TamilNadu
2	7	Pranav	foot ball	2021-06-28 09:00:00.679	net banking	Kerala
3	8	Ramar	tennis	2020-06-30 11:00:00.848	credit card	Andhra Pradesh
4	9	Sheldon Cooper	basket ball	2020-06-27 08:30:00.515	demand draft	Telangana
5	10	Praveen Adithya	relay	2022-06-29 10:00:00.570	cash	TamilNadu
6	1	Prashanth	cricket	2020-06-26 08:00:00.152	net banking	TamilNadu
7	2	Kishore	basket ball	2020-06-27 08:30:00.920	credit card	Kerala
8	3	Murali	foot ball	2020-06-28 09:00:00.992	card	Karnataka
9	4	Dinesh Karthik	relay	2020-06-29 10:00:00.160	cash	Telangana
10	5	Shankar	tennis	2020-06-30 11:00:00.796	demand draft	Andhra Pradesh

prog_1.java

```
1 import java.io.IOException;
2 import java.io.PrintWriter;
3 import java.sql.Connection;
4 import java.sql.DriverManager;
5 import java.sql.ResultSet;
6 import java.sql.SQLException;
7 import java.sql.Statement;
8 import java.util.logging.Level;
9 import java.util.logging.Logger;
10 import javax.servlet.ServletException;
11 import javax.servlet.http.HttpServlet;
12 import javax.servlet.http.HttpServletRequest;
13 import javax.servlet.http.HttpServletResponse;
14
15 public class prog_1 extends HttpServlet {
16     @Override
17     protected void doGet(HttpServletRequest request, HttpServletResponse response)
18         throws ServletException, IOException {
19         response.setContentType("text/html;charset=UTF-8");
20
21         String str1 = request.getParameter("field_1");
22         String str2 = request.getParameter("field_2");
23
24         String connection = "jdbc:derby://localhost:1527/workshop_event";
25         try {
26             Connection connect = DriverManager.getConnection(connection, "abc", "123");
27             Statement stm = connect.createStatement();
28             ResultSet rs = null;
29
30             String query = "SELECT " + str1 + "," + str2 + " FROM COLLEGE_EVENTS";
31             try { rs = stm.executeQuery(query); }
32             catch (SQLException ex) { Logger.getLogger(prog_1.class.getName()).log(Level.SEVERE, null, ex); }
33
34             try (PrintWriter out = response.getWriter()) {
35
36                 out.println("<!DOCTYPE html>");
37                 out.println("<html>");
```

```

38
39         out.println("<head>");
40
41         out.println("<title>Program-1</title>");
42         out.println("<style>");
43
44         out.println("table, th, td { border: 1px solid black  border-collapse: collapse}");
45
46         out.println("th,td { padding:5px;}");
47         out.println("th { text-align:left ; }");
48
49         out.println("</style>");
50         out.println("</head>");
51
52         out.println("<body>");
53         out.println("<table style = 'width:100%'>");
54
55         out.println(" <tr> " +
56             "<th> " + str1  + "</th>" +
57             "<th> " + str2+ "</th>" +
58             "</tr>");
59
60         while(rs.next()) {
61
62             out.println(" <tr> " +
63                 "<td> " + rs.getString(str1) + "</td>" +
64                 "<td> " + rs.getString(str2) + "</td>" +
65                 "</tr>");
66         }
67
68         out.println("</table>");
69
70         out.println("</body>");
71         out.println("</html>");
72
73         rs.close();
74         stm.close();
75         connect.close();
76
77         } catch (SQLException e) { System.out.println("Some-thing went wrong");}
78     } catch (Exception e) { System.out.println("Some-thing went wrong");}
79 }
80 }
81
82
83

```

prog_2.java

```
1  import java.io.IOException;
2  import java.io.PrintWriter;
3  import java.sql.Connection;
4  import java.sql.DriverManager;
5  import java.sql.ResultSet;
6  import java.sql.SQLException;
7  import java.sql.Statement;
8  import java.util.logging.Level;
9  import java.util.logging.Logger;
10 import javax.servlet.ServletException;
11 import javax.servlet.http.HttpServlet;
12 import javax.servlet.http.HttpServletRequest;
13 import javax.servlet.http.HttpServletResponse;
14
15 public class prog_2 extends HttpServlet {
16     @Override
17     protected void doGet(HttpServletRequest request, HttpServletResponse response)
18         throws ServletException, IOException {
19         response.setContentType("text/html;charset=UTF-8");
20
21         String connection = "jdbc:derby://localhost:1527/workshop_event";
22         try {
23             Connection connect = DriverManager.getConnection(connection, "abc", "123");
24             Statement stm = connect.createStatement();
25             ResultSet rs = null;
26
27             String query = "SELECT * FROM COLLEGE_EVENTS";
28
29             try { rs = stm.executeQuery(query); }
30             catch (SQLException ex) { Logger.getLogger(prog_2.class.getName()).log(Level.SEVERE, null, ex); }
31
32             try (PrintWriter out = response.getWriter()) {
33                 int temp = 0;
34                 out.println("<!DOCTYPE html>");
35                 out.println("<html>");
36                 out.println("<head>");
37
38                 out.println("<title>Program-2</title>");
39                 out.println("</head>");
40
41                 out.println("<body>");
42                 while(rs.next()) { temp = rs.getRow(); }
43                 out.println("Count of participants : " + temp);
44
45                 out.println("</body>");
46                 out.println("</html>");
47
48                 rs.close();
49                 stm.close();
50                 connect.close();
51
52             } catch (Exception e) { System.out.println("Some-thing went wrong");}
53         } catch (Exception e) { System.out.println("Some-thing went wrong");}
54     }
55 }
56
```

prog_3.java

```
1  import java.io.IOException;
2  import java.io.PrintWriter;
3  import java.sql.Connection;
4  import java.sql.DriverManager;
5  import java.sql.ResultSet;
6  import java.sql.SQLException;
7  import java.sql.Statement;
8  import java.util.logging.Level;
9  import java.util.logging.Logger;
10 import javax.servlet.ServletException;
11 import javax.servlet.http.HttpServlet;
12 import javax.servlet.http.HttpServletRequest;
13 import javax.servlet.http.HttpServletResponse;
14
15 public class prog_3 extends HttpServlet {
16     @Override
17     protected void doGet(HttpServletRequest request, HttpServletResponse response)
18         throws ServletException, IOException {
19         response.setContentType("text/html;charset=UTF-8");
20
21         String connection = "jdbc:derby://localhost:1527/workshop_event";
22         try {
23             Connection connect = DriverManager.getConnection(connection, "abc", "123");
24             Statement stm = connect.createStatement();
25             ResultSet rs = null;
26
27             String query = "SELECT * FROM COLLEGE_EVENTS WHERE " +
28                 "(PAYMENT_MODE = 'net banking') +
29                 "OR (PAYMENT_MODE = 'credit card') +
30                 "OR (PAYMENT_MODE = 'card')";
31
32             try { rs = stm.executeQuery(query); }
33             catch (SQLException ex) { Logger.getLogger(prog_3.class.getName()).log(Level.SEVERE, null, ex); }
34
35             try (PrintWriter out = response.getWriter()) {
36                 int temp=0;
37                 out.println("<!DOCTYPE html>");
38                 out.println("<html>");
39                 out.println("<head>");
40
41                 out.println("<title>Program-3</title>");
42                 out.println("</head>");
43
44                 out.println("<body>");
45                 while(rs.next()) { temp+=1; }
46                 out.println("Number of Participants made online-payment : " + temp);
47                 out.println("</body>");
48                 out.println("</html>");
49
50                 rs.close();
51                 stm.close();
52                 connect.close();
53
54             } catch (Exception e) { System.out.println("Some-thing went wrong");}
55             } catch (Exception e) { System.out.println("Some-thing went wrong");}
56     }
```

prog_4.java

```
1  import java.io.IOException;
2  import java.io.PrintWriter;
3  import java.sql.Connection;
4  import java.sql.DriverManager;
5  import java.sql.ResultSet;
6  import java.sql.SQLException;
7  import java.sql.Statement;
8  import java.util.logging.Level;
9  import java.util.logging.Logger;
10 import javax.servlet.ServletException;
11 import javax.servlet.http.HttpServlet;
12 import javax.servlet.http.HttpServletRequest;
13 import javax.servlet.http.HttpServletResponse;
14
15 public class prog_4 extends HttpServlet {
16     @Override
17     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException,
18         response.setContentType("text/html;charset=UTF-8");
19
20     String str1 = request.getParameter("field");
21     String connection = "jdbc:derby://localhost:1527/workshop_event";
22     try {
23         Connection connect = DriverManager.getConnection(connection, "abc", "123");
24         Statement stm = connect.createStatement();
25         ResultSet rs = null;
26
27         String query = "SELECT * FROM COLLEGE_EVENTS WHERE STATE = '" + str1 + "'";
28
29         try { rs = stm.executeQuery(query); }
30         catch (SQLException ex) { Logger.getLogger(prog_4.class.getName()).log(Level.SEVERE, null, ex); }
31
32         try (PrintWriter out = response.getWriter()) {
33             int temp=0;
34             out.println("<!DOCTYPE html>");
35             out.println("<html>");
36             out.println("<head>");
37
38             out.println("<title>Program-4</title>");
39             out.println("</head>");
40
41             out.println("<body>");
42             while(rs.next()) { temp+=1; }
43             out.println("Number of Participants from " + str1 + " : " + temp);
44             out.println("</body>");
45             out.println("</html>");
46
47             rs.close();
48             stm.close();
49             connect.close();
50
51             } catch (Exception e) { System.out.println("Some-thing went wrong");}
52     } catch (Exception e) { System.out.println("Some-thing went wrong");}
53 }
54
55
```

event_table

Simply printing the table values

```
1  import java.sql.Connection;
2  import java.sql.DriverManager;
3  import java.sql.Statement;
4  import java.sql.ResultSet;
5
6  public class event_table {
7      public static void main(String[] args) {
8          String connection = "jdbc:derby://localhost:1527/workshop_event";
9          try {
10              Connection connect = DriverManager.getConnection(connection, "abc", "123");
11              Statement stm = connect.createStatement();
12              ResultSet rs = null;
13
14              String query = "SELECT * FROM COLLEGE_EVENTS";
15              rs = stm.executeQuery(query);
16
17              while(rs.next()) {
18                  System.out.println(
19                      " " + rs.getInt("student_id") +
20                      " " + rs.getString("student_name") +
21                      " " + rs.getString("game") +
22                      " " + rs.getTimestamp("schedule") +
23                      " " + rs.getString("payment_mode") +
24                      " " + rs.getString("state")
25                  );
26              }
27              rs.close();
28              stm.close();
29              connect.close();
30          } catch (Exception e) { System.out.println("Some-thing went wrong");}
31      }
32  }
33
```

run:

```
6  Mothish  cricket  2020-06-26 08:00:00.907  cash  TamilNadu
7  Pranav   foot ball  2021-06-28 09:00:00.679  net banking  Kerala
8  Ramar    tennis   2020-06-30 11:00:00.848  credit card  Andhra Pradesh
9  Sheldon Cooper  basket ball  2020-06-27 08:30:00.515  demand draft  Telangana
10 Praveen Adithya relay  2022-06-29 10:00:00.57  cash  TamilNadu
11 Prashanth cricket  2020-06-26 08:00:00.152  net banking  TamilNadu
12 Kishore  basket ball  2020-06-27 08:30:00.92  credit card  Kerala
13 Murali   foot ball  2020-06-28 09:00:00.992  card  Karnataka
14 Dinesh Karthik relay  2020-06-29 10:00:00.16  cash  Telangana
15 Shankar  tennis   2020-06-30 11:00:00.796  demand draft  Andhra Pradesh
```

BUILD SUCCESSFUL (total time: 0 seconds)

index.html

```
1 <html>
2
3 <head>
4   <meta charset="utf-8">
5   <title>JAVA Assignment</title>
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <link rel="stylesheet" type="text/css" href="/css/bootstrap.min.css">
8   <script src="/js/bootstrap.min.js"></script>
9
10 </head>
11
12 <body>
13   <nav class="navbar navbar-expand-lg navbar-dark bg-success">
14     <div class="container">
15       <a class="navbar-brand" href="/main.html">
16         
17         Prashanth (19MID0020)
18       </a>
19     </div>
20   </nav>
21
22   <div class="container">
23     <br>
24     <ul>
25       <li><a href="prog_1.html" style="text-decoration:none">Program-1</a> </li>
26       <li><a href="prog_2.html" style="text-decoration:none">Program-2</a> </li>
27       <li><a href="prog_3.html" style="text-decoration:none">Program-3</a> </li>
28       <li><a href="prog_4.html" style="text-decoration:none">Program-4</a> </li>
29     </ul>
30   </div>
31
32 </body>
33
34 </html>
35
```



- [Program-1](#)
- [Program-2](#)
- [Program-3](#)
- [Program-4](#)

By clicking on the respective links you can go to the following program.

prog_1.html

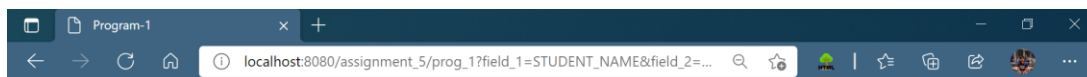
```
1 <html>
2
3 <head>
4 <title>Program-1</title>
5 <meta charset="UTF-8">
6 <meta name="viewport" content="width=device-width, initial-scale=1.0">
7 <link rel="stylesheet" type="text/css" href="/css/bootstrap.min.css">
8 <script src="js/bootstrap.min.js"></script>
9
10 <style>
11     input[type=text] {
12         width: 100%;
13         padding: 12px 20px;
14         margin: 8px 0;
15         box-sizing: border-box;
16         border: 1px solid #555;
17         outline: none;
18     }
19
20     input[type=text]:focus { background-color: lightblue; }
21 </style>
22
23 </head>
24
25 <body>
26
27 <nav class="navbar navbar-expand-lg navbar-dark bg-success">
28 <div class="container">
29 <a class="navbar-brand" href="/main.html">
30 
33 </div>
34 </nav>
35
36 <div class="container">
37 <form action="prog_1" method="get">
38 <label for="field_1"> <h2>Field-1</h2> </label>
39 <input type="text" id="field_1" name="field_1" >
40
41 <label for="field_2"> <h2>Field-2</h2> </label>
42 <input type="text" id="field_2" name="field_2" >
43
44 </br><input type="submit" value="Display">
45 </form>
46 </div>
47 </body>
48
49 </html>
```



Field-1

Field-2

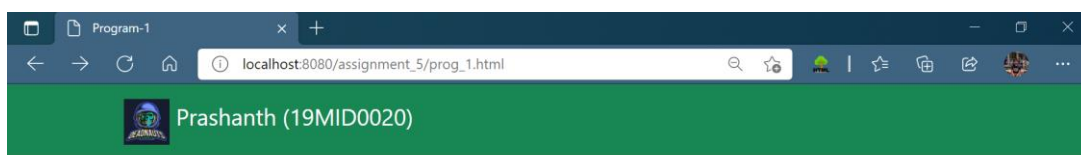
Display



STUDENT_NAME

GAME

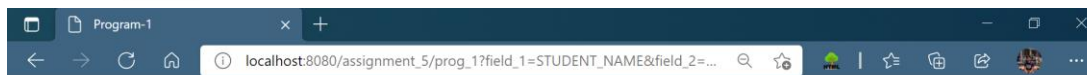
Mothish	cricket
Pranav	foot ball
Ramar	tennis
Sheldon Cooper	basket ball
Praveen Adithya	relay
Prashanth	cricket
Kishore	basket ball
Murali	foot ball
Dinesh Karthik	relay
Shankar	tennis



Field-1

Field-2

Display



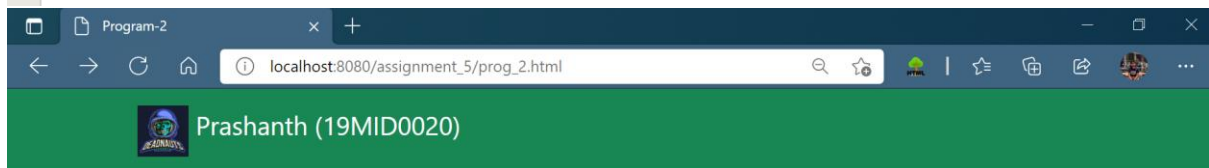
STUDENT_NAME

SCHEDULE

Mothish	2020-06-26 08:00:00.907
Pranav	2021-06-28 09:00:00.679
Ramar	2020-06-30 11:00:00.848
Sheldon Cooper	2020-06-27 08:30:00.515
Praveen Adithya	2022-06-29 10:00:00.57
Prashanth	2020-06-26 08:00:00.152
Kishore	2020-06-27 08:30:00.92
Murali	2020-06-28 09:00:00.992
Dinesh Karthik	2020-06-29 10:00:00.16
Shankar	2020-06-30 11:00:00.796

prog_2.html

```
1 <html>
2
3 <head>
4   <title>Program-2</title>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <link rel="stylesheet" type="text/css" href="/css/bootstrap.min.css">
8   <script src="js/bootstrap.min.js"></script>
9 </head>
10
11 <body>
12
13   <nav class="navbar navbar-expand-lg navbar-dark bg-success">
14     <div class="container">
15       <a class="navbar-brand" href="/main.html">
16         
19     </div>
20   </nav>
21
22   <div class="container">
23     <h2>Click to know the Total number of participants</h2>
24     <form action="prog_2" method="get">
25       <br><input type="submit" value="Display">
26     </form>
27   </div>
28
29 </body>
30
31 </html>
32
```



Click to know the Total number of participants

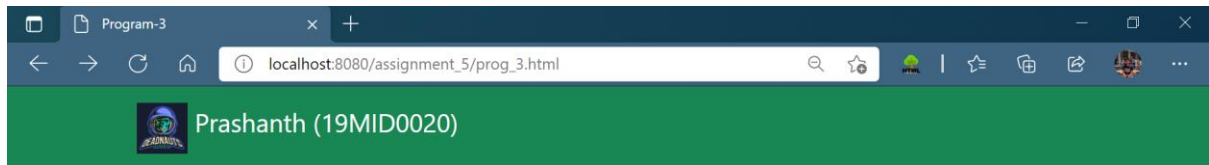
Display



Count of participants : 10

prog_3.html

```
1 <html>
2   <head>
3     <title>Program-3</title>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <link rel="stylesheet" type="text/css" href="/css/bootstrap.min.css">
7     <script src="js/bootstrap.min.js"></script>
8   </head>
9   <body>
10
11     <nav class="navbar navbar-expand-lg navbar-dark bg-success">
12       <div class="container">
13         <a class="navbar-brand" href="/main.html">
14           
17       </div>
18     </nav>
19
20     <div class="container">
21       <h2>Click to know the count of Online Transactions</h2>
22       <form action="prog_3" method="get">
23         <br><input type="submit" value="Display">
24       </form>
25     </div>
26
27   </body>
28
29 </html>
30
```



Click to know the count of Online Transactions

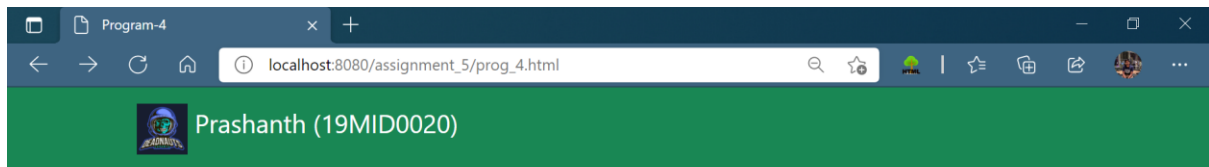
Display



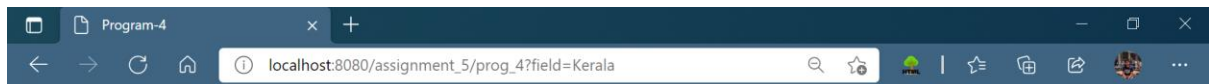
Number of Participants made online-payment : 5

prog_4.html

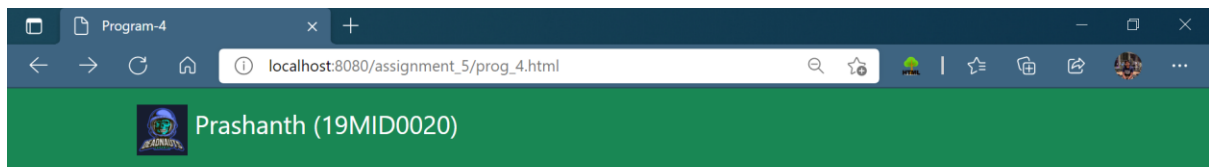
```
1 <html>
2
3 <head>
4   <title>Program-4</title>
5   <meta charset="UTF-8">
6     <meta name="viewport" content="width=device-width, initial-scale=1.0">
7     <link rel="stylesheet" type="text/css" href="/css/bootstrap.min.css">
8     <script src="/js/bootstrap.min.js"></script>
9
10    <style>
11      input[type=text] {
12        width: 100%;
13        padding: 12px 20px;
14        margin: 8px 0;
15        box-sizing: border-box;
16        border: 1px solid #555;
17        outline: none;
18      }
19
20      input[type=text]:focus { background-color: lightblue; }
21    </style>
22
23  </head>
24  <body>
25
26    <nav class="navbar navbar-expand-lg navbar-dark bg-success">
27      <div class="container">
28        <a class="navbar-brand" href="/main.html">
29          
30          Prashanth (19MID0020)
31        </a>
32      </div>
33    </nav>
34
35    <div class="container">
36      <form action="prog_4" method="get">
37        <label for="field"><h2>Enter the state : </h2></label>
38        <input type="text" id="field_1" name="field" >
39        <br><input type="submit" value="Display">
40      </form>
41    </div>
42
43  </body>
44
45 </html>
46
```



Enter the state :



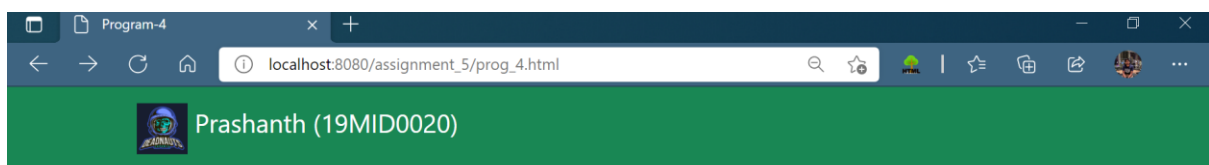
Number of Participants from Kerala : 2



Enter the state :



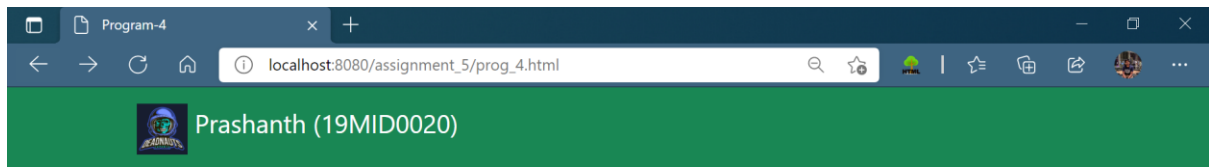
Number of Participants from Karnataka : 1



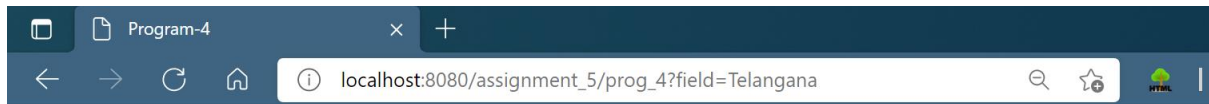
Enter the state :



Number of Participants from TamilNadu : 3

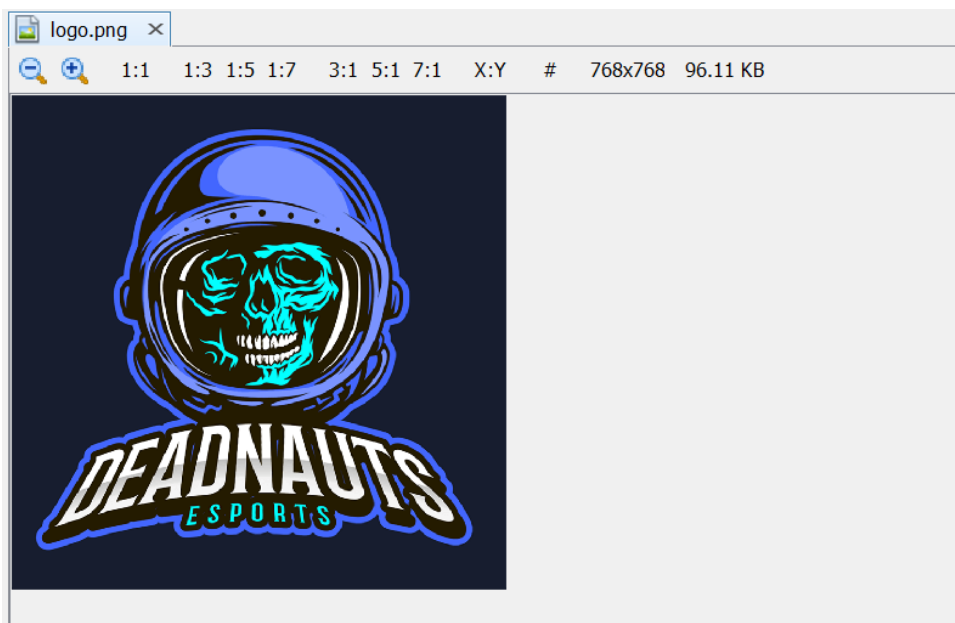


Enter the state :



Number of Participants from Telangana : 2

logo.html



Source Code → https://github.com/PrashanthSingaravelan/Java-Programming/tree/main/Servlets/assignment_5