	Name: Roghan Mahashwaari
	Round: 53
	Panal: A
	Lorb Assignment -12 (JP)
	V
*	Aim: Develop web Application you Employee Registeration using Jel
	sevelop web Application you improgree
	Socrilet & JDBC.
	O
*	Objectives: To understand seemen side precipting
$\rightarrow$	To understand days productivity using my CQL.
	To Lewin dutabase connectivity using my SQL.
7	To leave cooling of somet & Jel.
+	Troply:
	d
-	Sowlet:
	Soulet is small Java perogram that sum within web
	somer soundets receive and respond from web dients,
	muchly HTTP to implement this interplace, you can write gener
	segulet that extends journe socialit.
	Coulet: http . Http levelet.
	Sugar . Mill sittly aware
	700.
->	Jose 1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	JSP is termology which is used to recoste well toplice
	just like soonalet technology. It can be thought as extension
- +	Duch as expression longuage JSTL atc.
11	to say larger a TCT 1

2.	List the advantages of using 5st.						
Ans	specific longuage. So it is more possesful and easy to me parand it is possible to other operating system.						
	Dust is digreserve by GET and PDST methods ?						
Ans	CHET Couries request parameter appointed in URL storing while POST couries parameter moreage body.						
	Compose Crenosic Socretet and HTTP securlet.						
->	Creveric societ  Perotocal independent.  Service is nothed abstract> Service is method nonabetrus.  Immediate subclass of servicet -> Immediate subclass of genoric servicet.						
5,	What are major components of JDBC2						
Ans 7	Double Managoga  Connection State mont						
	1/						

```
Code 1(Servlet):
import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
/**
* Servlet implementation class Hello
*/
@WebServlet("/Hello")
public class Hello extends HttpServlet {
      private static final long serialVersionUID = 1L;
  /**
  * @see HttpServlet#HttpServlet()
  */
  public Hello() {
    super();
    // TODO Auto-generated constructor stub
  }
      /**
      * @see HttpServlet#doGet(HttpServletRequest request,
HttpServletResponse response)
       */
```

```
protected void doGet(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
            // TODO Auto-generated method stub
            response.getWriter().append("Served at:
").append(request.getContextPath());
            response.getWriter().append("\n\nHello!
").append(request.getContextPath());
     }
      /**
      * @see HttpServlet#doPost(HttpServletRequest request,
HttpServletResponse response)
      */
      protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
            // TODO Auto-generated method stub
            doGet(request, response);
     }
}
Output:
```

Served at: /WorkshopFinal Hello! /WorkshopFinal

## Code 2(JSP):

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>

Hello World

</body>
</html>
```

## **Output:**

Hello World

```
Code 3(JDBC):

package mitJDBC;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.*;

public class JDBCClient {

    public static void main(String[] args) throws

ClassNotFoundException, SQLException {

    // TODO Auto-generated method stub
```

```
Class.forName("com.mysql.cj.jdbc.Driver");
                            String
jdbcurl="jdbc:mysql://localhost:3306/javaworkshop"; //made a URL
                            Connection
con=DriverManager.getConnection(jdbcurl, "root", "Aditya!@#$12"); //make a
socket connection for URL
                            if(con!=null)
                                 System.out.print("Client connected to server
successfully!");
                            //Create a statement
                            String query="insert into book values(?,?,?,?)";
                            Scanner sc=new Scanner(System.in);
                            PreparedStatement
pstmt=con.prepareStatement(query); //PreparedStatement is an interface
                            System.out.print("\nEnter ID: ");
                            pstmt.setInt(1,sc.nextInt());
                            System.out.print("Enter name: ");
                            pstmt.setString(2,sc.next());
                            System.out.print("Enter cost: ");
                            pstmt.setInt(3, sc.nextInt());
                            System.out.print("Enter date: ");
                            pstmt.setString(4,sc.next());
                            pstmt.executeUpdate(); //fire the query
                            Statement stmt= con.createStatement();
                            String query2="select * from book";
                            ResultSet rs=stmt.executeQuery(query2);
```

```
System.out.print("******Displaying the
database******\n");
                            while(rs.next())
                            {
                                int id=rs.getInt(1);
                                String name=rs.getString(2);
                                int cost=rs.getInt(3);
                                java.sql.Date date=rs.getDate(4);
                                System.out.println(id+" "+name+" "+cost+"
"+date);
                            }
                            sc.close();
                          }
}
```

## **Output:**

```
Client connected to server successfully!

Enter ID: 250

Enter name: Heroes
Enter cost: 4400
Enter date: 19/12/12

*********Displaying the database********

1 learning jdbc 400 2022-02-02
3 learning web apps 600 2022-01-01
4 Re Zero 900 2022-01-02
12 Aditya 400 2021-01-01
17 Mirai 200 2021-01-01
19 Learning JSM 500 2000-12-12
23 Clover 900 2002-01-01
24 Stalingrad 700 2001-09-08
100 Lugnica 200 2012-02-22
200 Immortals 1220 2012-02-19
250 Heroes 4400 2019-12-12
```