

INPUT:**Java Code :**

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;

public class AddStudentServlet extends HttpServlet {
    protected void doPost(HttpServletRequest request, HttpServletResponse
    response)
        throws ServletException, IOException {
        String name = request.getParameter("name");
        String email = request.getParameter("email");
        int age = Integer.parseInt(request.getParameter("age"));
        Connection conn = null;
        PreparedStatement pstmt = null;
        try {

            Class.forName("com.mysql.jdbc.Driver");
            conn =
            DriverManager.getConnection("jdbc:mysql://localhost:3306/stud_database", "root",
            "");

            String sql = "INSERT INTO students (name, email, age) VALUES (?, ?,
            ?)";
            pstmt = conn.prepareStatement(sql);
            pstmt.setString(1, name);
            pstmt.setString(2, email);
            pstmt.setInt(3, age);

            pstmt.executeUpdate();

            response.sendRedirect("add_student_success.jsp");
        } catch (Exception e) {

            e.printStackTrace();
        } finally {

            try {
                if (pstmt != null)
                    pstmt.close();
                if (conn != null)
                    conn.close();
            } catch (SQLException e) {
                e.printStackTrace();
            }
        }
    }
}
```

HTML Code:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Database
  </title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: beige;
      margin: 0;
      padding: 0;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
    }
    .container {
      width: 320px;
      background-color: #f0f0f0;
      padding: 20px;
      border-radius: 10px;
      box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);
    }
    form {
      width: 100%;
    }
    h1 {
      text-align: center;
      color: #007bff;
    }
    label {
      display: block;
      margin-bottom: 5px;
      color: #333;
    }
    input[type="text"] {
      width: calc(100% - 20px);
      padding: 10px;
      margin-bottom: 15px;
      border: 1px solid #ccc;
      border-radius: 5px;
      box-sizing: border-box;
    }
    input[type="submit"] {
      width: 100%;
      padding: 12px 25px;
```

```

    background-color: #007bff;
    color: #fff;
    border: none;
    border-radius: 5px;
    cursor: pointer;
    font-size: 16px;
    transition: background-color 0.3s ease;
  }
  input[type="submit"]:hover {
    background-color: #0056b3;
  }
  #output {
    margin-top: 20px;
  }
</style>
</head>
<body>
  <div class="container">
    <div id="output"></div>
    <form id="myForm">
      <h1>Student Information</h1>
      <label for="id">ID:</label>
      <input type="text" id="id" name="id" required />

      <label for="name">Name:</label>
      <input type="text" id="name" name="name" required />

      <label for="class">Class:</label> <!-- Changed id and name to "class" for consistency -
->
      <input type="text" id="class" name="class" required /> <!-- Changed id and name to
"class" for consistency -->

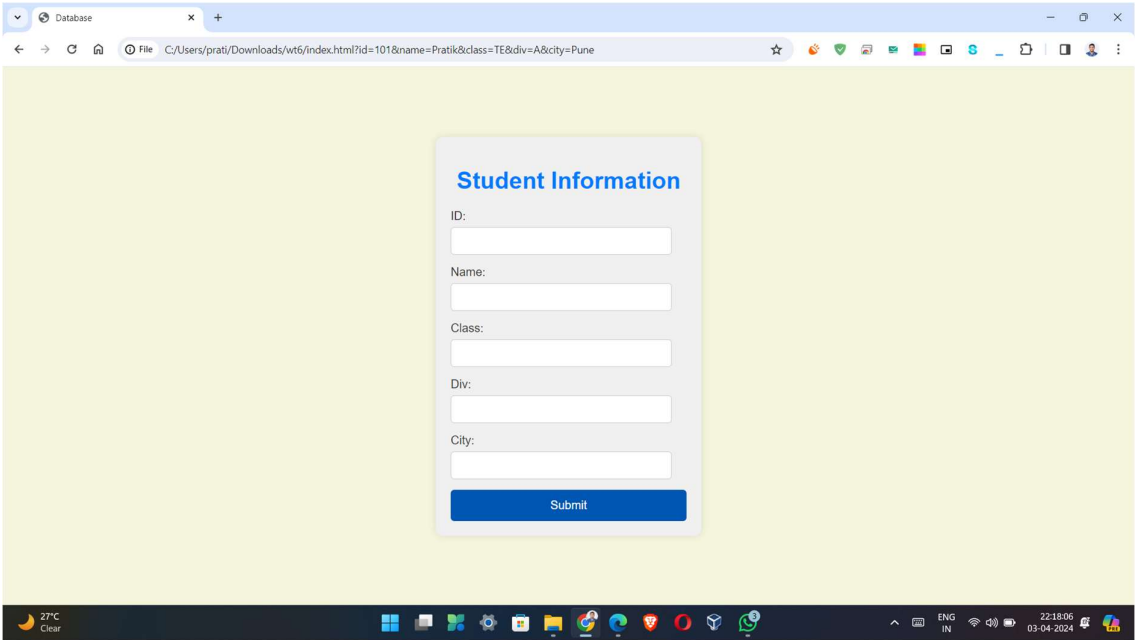
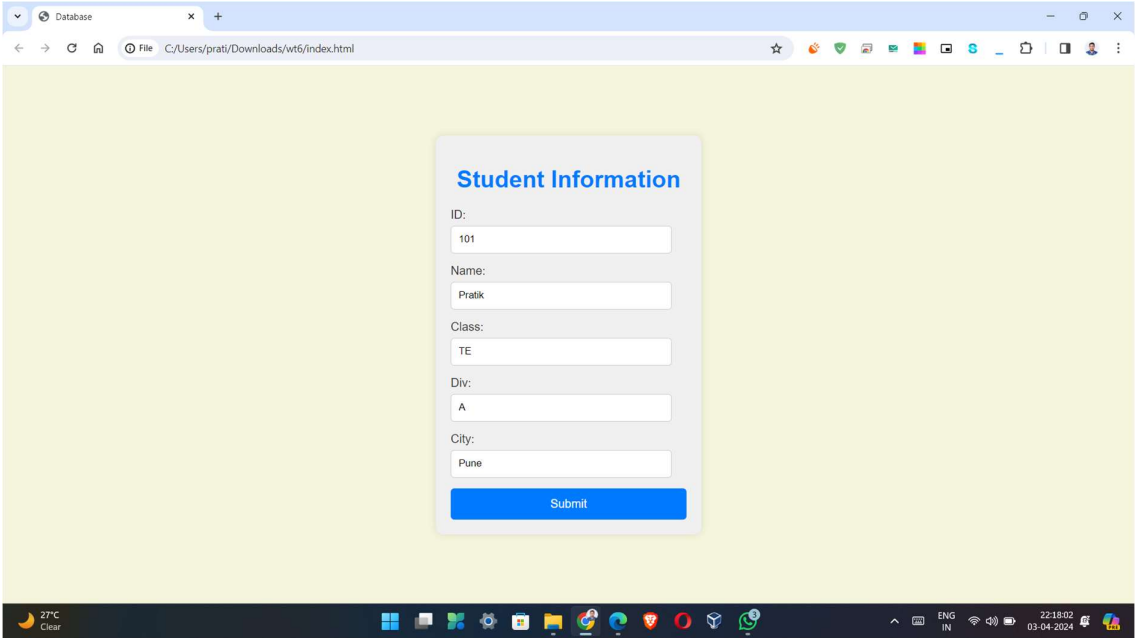
      <label for="div">Div:</label>      <input type="text" id="div" name="div" required />
      <!-- Changed id and name to "div" for consistency -->

      <label for="city">City:</label>      <input type="text" id="city" name="city" required
/> <!-- Changed id and name to "city" for consistency -->

      <input type="submit" value="Submit" />
    </form>
  </div>
</body>
</html>

```

OUTPUT:



Database

C:/Users/prati/Downloads/wt6/index.html?id=101&name=Pratik&class=TE&div=A&city=Pune

Student Information

ID:
105

Name:
Abhishek

Class:
TE

Div:
A

City:
Pune

Submit

Welcome to XAMPP

localhost / 127.0.0.1 | phpMyAdmin

localhost/phpmyadmin/index.php?route=/server/sql

phpMyAdmin

Recent Favorites

- New
- clientsdb
- crud
- dailyexpense
- information_schema
- mydatabase
- mysql
- performance_schema
- phpmyadmin
- sdatabase
- studentdb
- student_database
- test

Run SQL query/queries on server "127.0.0.1":

```
1 CREATE TABLE IF NOT EXISTS Students (  
2   id INT AUTO_INCREMENT PRIMARY KEY,  
3   name VARCHAR(100) NOT NULL,  
4   class VARCHAR(10) NOT NULL,  
5   divi VARCHAR(10) NOT NULL,  
6   city VARCHAR(50) NOT NULL  
7 );  
8  
9 INSERT INTO Students (name, class, divi, city) VALUES ('Pratik', 'TE', 'A', 'Pune');  
10 INSERT INTO Students (name, class, divi, city) VALUES ('Tejas', 'TE', 'A', 'Pune');  
11 INSERT INTO Students (name, class, divi, city) VALUES ('Ritesh', 'TE', 'A', 'Pune');  
12 INSERT INTO Students (name, class, divi, city) VALUES ('Yash', 'TE', 'A', 'Pune');  
13 INSERT INTO Students (name, class, divi, city) VALUES ('Abhishek', 'TE', 'A', 'Pune');
```

Clear Format Get auto-saved query

☐ Bind parameters

Bookmark this SQL query:

Delimiter: ☐ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks Go

Console

Welcome to XAMPP

localhost / 127.0.0.1 / sdatabase

phpMyAdmin

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Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers Tracking Designer Central columns

Show query box

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0006 seconds)

```
CREATE TABLE IF NOT EXISTS Students ( id INT AUTO_INCREMENT PRIMARY KEY, name VARCHAR(100) NOT NULL, class VARCHAR(10) NOT NULL, divi VARCHAR(10) NOT NULL, city VARCHAR(50) NOT NULL );
```

[Edit inline] [Edit] [Create PHP code]

1 row inserted
Inserted row id: 1 (Query took 0.0004 seconds)

```
INSERT INTO Students (name, class, divi, city) VALUES ('Pratik', 'TE', 'A', 'Pune');
```

[Edit inline] [Edit] [Create PHP code]

1 row inserted
Inserted row id: 2 (Query took 0.0005 seconds)

```
INSERT INTO Students (name, class, divi, city) VALUES ('Tejas', 'TE', 'A', 'Pune');
```

[Edit inline] [Edit] [Create PHP code]

1 row inserted
Inserted row id: 3 (Query took 0.0005 seconds)

```
INSERT INTO Students (name, class, divi, city) VALUES ('Ritesh', 'TE', 'A', 'Pune');
```

[Edit inline] [Edit] [Create PHP code]

1 row inserted
Inserted row id: 4 (Query took 0.0007 seconds)

```
INSERT INTO Students (name, class, divi, city) VALUES ('Yash', 'TE', 'A', 'Pune');
```

[Edit inline] [Edit] [Create PHP code]

Console

27°C Clear

22:39:56 03-04-2024

Welcome to XAMPP

localhost / 127.0.0.1 / sdatabase

phpMyAdmin

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Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 4 (5 total, Query took 0.0004 seconds)

```
SELECT * FROM 'students'
```

[Profiling] [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

	id	name	class	divi	city
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	Pratik	TE	A	Pune
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	Tejas	TE	A	Pune
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	Ritesh	TE	A	Pune
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4	Yash	TE	A	Pune
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	5	Abhishek	TE	A	Pune

☐ Check all | With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Query results operations

☐ Print ☐ Copy to clipboard ☐ Export ☐ Display chart ☐ Create view

Bookmark this SQL query

Label: ☐ Let every user access this bookmark

Bookmark this SQL query

Console

27°C Clear

22:40:05 03-04-2024