

REG NO:20BEC1260

NAME:HARIHARAN K

EMAIL ID :hariharan.k2020@vitstudent.ac.in

Assignment - 3

Modern Application Development (Java Spring Boot)

Q) Implement Java JDBC Operations

ANS:

Creating a Student Database and Performing CRUD Operations: -

Code:-

```
<!DOCTYPE html>
<html>
<head>
<title>Student Information Form</title>
<style>
body {
font-family: Arial, sans-serif;background-
color: #f5f5f5;
}

.container {
max-width: 500px; margin: 0
auto; padding: 20px;
background-color: #fff;border-
radius: 5px;
box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
}

h1 {
text-align: center;
}

label { display:
block;
margin-bottom: 10px;
}

input[type="text"],
input[type="email"],select
{
width: 100%;
```

```
padding: 10px;
border: 1px solid #ccc;border-
radius: 4px;
box-sizing: border-box;margin-
bottom: 10px;
}
input[type="submit"] {
background-color: #4CAF50;color:
white;
padding: 12px 20px;
border: none; border-
radius: 4px;cursor:
pointer; font-size: 16px;
}
input[type="submit"]:hover {
background-color: #45a049;
}
</style>
</head>
<body>
<div class="container">
<h1>Student Information Form</h1>
<form>
<label for="name">Name:</label>
<input type="text" id="name" name="name" placeholder="Enter your name"required>
<label for="email">Email:</label>
<input type="email" id="email" name="email" placeholder="Enter youremail" required>
<label for="major">Major:</label>
<select id="major" name="major">
<option value="computer_science">Computer Science</option>
<option value="biology">Biology</option>
<option value="business">Business</option>
<option value="psychology">Psychology</option>
<option value="other">Other</option>
</select>
<input type="submit" value="Submit">
```

```
</form>
</div>
</body>
</html>
```

Output:

Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 27
Server version: 8.0.32 MySQL Community Server - GPL

Copyright (c) 2000, 2023, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> CREATE DATABASE Student;
Query OK, 1 row affected (0.03 sec)
```

```
mysql> CREATE TABLE StudentInfo(ID int, Name varchar(255), RegNo varchar(255), Department varchar(255), PhoneNo varchar(255));
ERROR 1046 (3D000): No database selected
mysql> use Student
Database changed
mysql> CREATE TABLE StudentInfo(ID int, Name varchar(255), RegNo varchar(255), Department varchar(255), PhoneNo varchar(255));
Query OK, 0 rows affected (0.03 sec)
```

```
Run: rough2 x
/Library/Java/JavaVirtualMachines/amazon-corretto-11.jdk/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA.app/Contents/lib/idea_rt.jar=63246:/Applications/In
Enter your choice:
1.Insert
2.Update
3.Delete
4.Display
5.Display All
6.Exit
1
Enter ID, Name, RegNo, Department and PhoneNo to be inserted
1
Shivamm
208PS1134
CSE
8874116402
1 Record Inserted.

Enter your choice:
1.Insert
2.Update
3.Delete
4.Display
5.Display All
6.Exit
1
Enter ID, Name, RegNo, Department and PhoneNo to be inserted
2
Mahnish
208PS1152
CSE
6238700456
1 Record Inserted.
```

```
Run: rough2 x
Enter your choice:
1.Insert
2.Update
3.Delete
4.Display
5.Display All
6.Exit
2
Enter ID for which record needs to be updated:
2
Enter new ID, Name, RegNo, Department and PhoneNo
2
Rohit
208PS1045
CSE
7689457849
1 Record Updated

Enter your choice:
1.Insert
2.Update
3.Delete
4.Display
5.Display All
6.Exit
5
1 Shivamm 208PS1134 CSE 8874116402
2 Rohit 208PS1045 CSE 7689457849

Enter your choice:
1.Insert
2.Update
3.Delete
```

```
Enter your choice:
1.Insert
2.Update
3.Delete
4.Display
5.Display All
6.Exit
3
Enter the ID for which the record needs to be deleted
2
1 Record Deleted

Enter your choice:
1.Insert
2.Update
3.Delete
4.Display
5.Display All
6.Exit
4
Enter ID for which the Student record needs to be displayed:
2
1 Shivamm 208PS1134 CSE 8074116402

Enter your choice:
1.Insert
2.Update
3.Delete
4.Display
5.Display All
6.Exit
|
```