Assignment 9

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AIML A3

```java
//Kaustubh Raykar
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// AIML A3

package Com.College;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
public class As9 {
public static void main(String[] args) {
// JDBC connection details
String url = "jdbc:mysql://localhost:3306/jdbcdemo"; // URL of the database
String username = "root"; // Username for the database
String password = "1234"; // Password for the database
try {
// Load the MySQL JDBC driver
Class.forName("com.mysql.jdbc.Driver");
// Create a connection to the database
Connection connection = DriverManager.getConnection(url, username, password);
// Create a statement to execute SQL queries
Statement statement = connection.createStatement();
// Insert a new record into the 'student_jdbc' table
int result = statement.executeUpdate("INSERT INTO student_jdbc (name, age,
gender) VALUES ('Arjun', 19,'Male')");
// Update an existing record in the 'student_jdbc' table
int result2 = statement.executeUpdate("UPDATE student_jdbc SET name='Arjun
Tyagi', age=20, gender='Male' WHERE id=3");
// Display the contents of the 'student_jdbc' table
display(statement);
// Close the database connection
connection.close();
}
catch (Exception e) {
// Print an error message if there is a problem with the JDBC connection
System.out.println("Where is your MySQL JDBC Driver?" + "\n" + e);
e.printStackTrace();
return;
}
}
public static void display(Statement statement){
try{
```

```
// Execute a SELECT query and get the result set
ResultSet resultSet = statement.executeQuery("SELECT * FROM student_jdbc");
// Iterate over the result set and display each record
while (resultSet.next()) {
System.out.println(resultSet.getInt(1) + " " + resultSet.getString(2) + " " +
resultSet.getInt(3) + " " + resultSet.getStri
}
} catch (Exception e) {
// Print an error message if there is a problem with displaying the data
System.out.println("Error displaying data: " + e.getMessage());
}
}
}
```

```
D:\>java Ass9
Loading class `com.mysql.jdbc.Driver'. This
1  Kaustubh 20 Male
2  Shravani 16 Male
3  Swati 40 female
```