

MODULE 5

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CODE

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;

public class StudentMarksDisplay {

    // JDBC URL, username, and password of MySQL server
    private static final String JDBC_URL =
"jdbc:ucanaccess://C:/path/to/your/database.accdb";
    private static final String DB_USER = "yourUsername";
    private static final String DB_PASSWORD = "yourPassword";

    public static void main(String[] args) {
        Connection connection = null;
        PreparedStatement preparedStatement = null;
        ResultSet resultSet = null;

        try {
            // Establish a connection
            connection = DriverManager.getConnection(JDBC_URL, DB_USER,
DB_PASSWORD);

            // Prepare and execute the SQL query
            String sqlQuery = "SELECT student_id, student_name, marks FROM student_table";
```

```
preparedStatement = connection.prepareStatement(sqlQuery);
resultSet = preparedStatement.executeQuery();

// Display the results
System.out.println("Student Marks Card:");
System.out.printf("%-15s%-20s%-10s%n", "Student ID", "Student Name", "Marks");
System.out.println("-----");

while (resultSet.next()) {
    int studentId = resultSet.getInt("student_id");
    String studentName = resultSet.getString("student_name");
    int marks = resultSet.getInt("marks");

    System.out.printf("%-15d%-20s%-10d%n", studentId, studentName, marks);
}

} catch (SQLException e) {
    e.printStackTrace();
} finally {
    // Close the resources
    try {
        if (resultSet != null) resultSet.close();
        if (preparedStatement != null) preparedStatement.close();
        if (connection != null) connection.close();
    } catch (SQLException e) {
        e.printStackTrace();
    }
}
}
```

OUTPUT

We have the database student table with columns. student_id, student_name and marks. The marks for each student is stored in the student_table as shown in output.

Student Marks Card:

Student ID	Student Name	Marks
1	John Doe	85
2	Jane Smith	92
3	Bob Johnson	78
...		