

B.E- CYBER SECURITY

Database Connection -Assignment -2:

TASK:

To Select and Insert a element from the database using query in Java
Coding and retrieve the data.

CODING:

```
package test;
```

```
import java.sql.*;
```

```
public class testc {  
    public static void main(String args[]) throws ClassNotFoundException, SQLException {  
        //insertQuery();  
        selectQuery();  
    }  
    static void insertQuery() throws ClassNotFoundException, SQLException  
    {  
        Class.forName("com.mysql.cj.jdbc.Driver");  
        System.out.println("Driver class loaded");  
    }  
}
```

```

Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/atm","root","
@Toor#");

System.out.println("Connection object created");

Statement s = con.createStatement();

System.out.println("Statement object created");

int n = s.executeUpdate("INSERT INTO DETAILS(ename,branch,amount)
VALUES ('Harish','kurukusanthu',40000)");

System.out.println("Value Inserted");
}

static void selectQuery() throws ClassNotFoundException, SQLException
{

Class.forName("com.mysql.cj.jdbc.Driver");

System.out.println("Driver class loaded");

Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/atm","root","
@Toor#");

System.out.println("Connection object created");

Statement s = con.createStatement();

System.out.println("Statement object created");

ResultSet rs = s.executeQuery("Select * From details where ename =
'Harish'");

while(rs.next()) {

System.out.println(rs.getString(2));

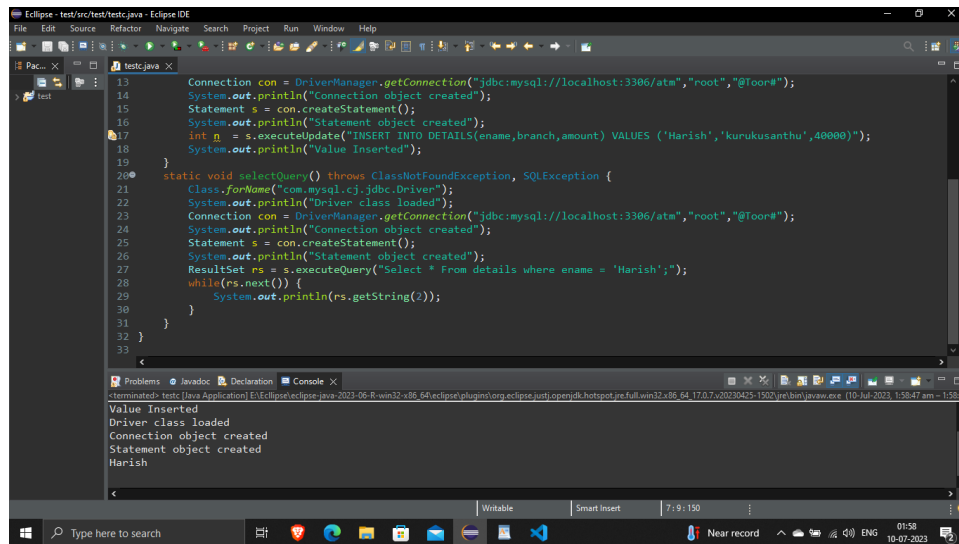
}

}

}

```

Output of the Code:



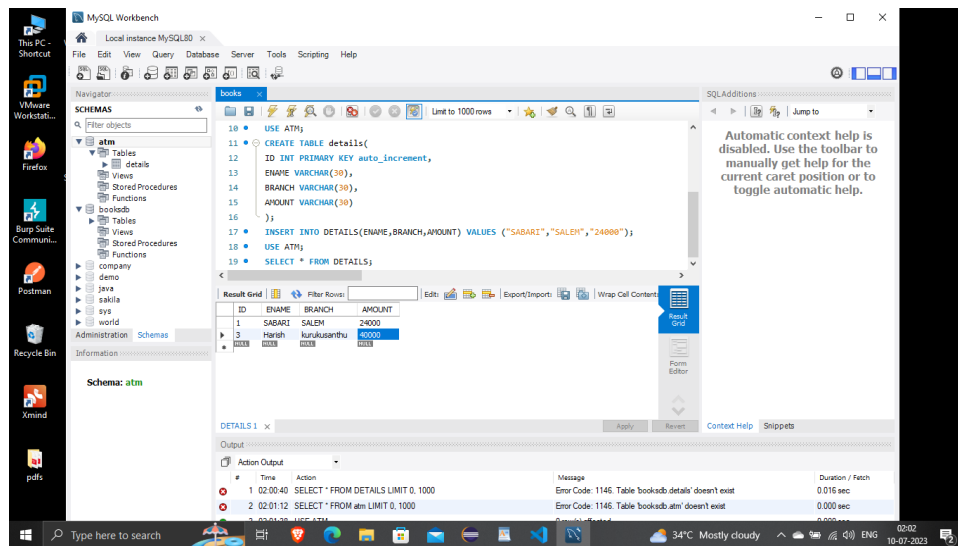
The screenshot shows the Eclipse IDE with a Java file named `test.java`. The code connects to a MySQL database, creates a table, inserts data, and then queries the data. The console output shows the execution results.

```
13 Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/atm","root","@Toor#");
14 System.out.println("Connection object created");
15 Statement s = con.createStatement();
16 System.out.println("Statement object created");
17 int n = s.executeUpdate("INSERT INTO DETAILS(ename,branch,amount) VALUES ('Harish','kurukusanthu',40000)");
18 System.out.println("Value Inserted");
19 }
20 static void selectQuery() throws ClassNotFoundException, SQLException {
21     Class.forName("com.mysql.cj.jdbc.Driver");
22     System.out.println("Driver class loaded");
23     Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/atm","root","@Toor#");
24     System.out.println("Connection object created");
25     Statement s = con.createStatement();
26     System.out.println("Statement object created");
27     ResultSet rs = s.executeQuery("Select * From details where ename = 'Harish';");
28     while(rs.next()) {
29         System.out.println(rs.getString(2));
30     }
31 }
32 }
33 }
```

Console Output:

```
Value Inserted
Driver class loaded
Connection object created
Statement object created
Harish
```

After the Insertion:



Github Link :

<https://github.com/name356/samplesql/upload/main>