

## **Assignment 2**

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Department : BE CSE(Cyber Security)

Subject : Database Connection

## Task:

To Select and insert a element from the database using query in java coding and retrieve the data.

## Code:

```
import java.sql.*;

public class main2 {
    public static void main(String[] args) throws ClassNotFoundException,
SQLException{
        insertQuery();
        selectQuery();
    }

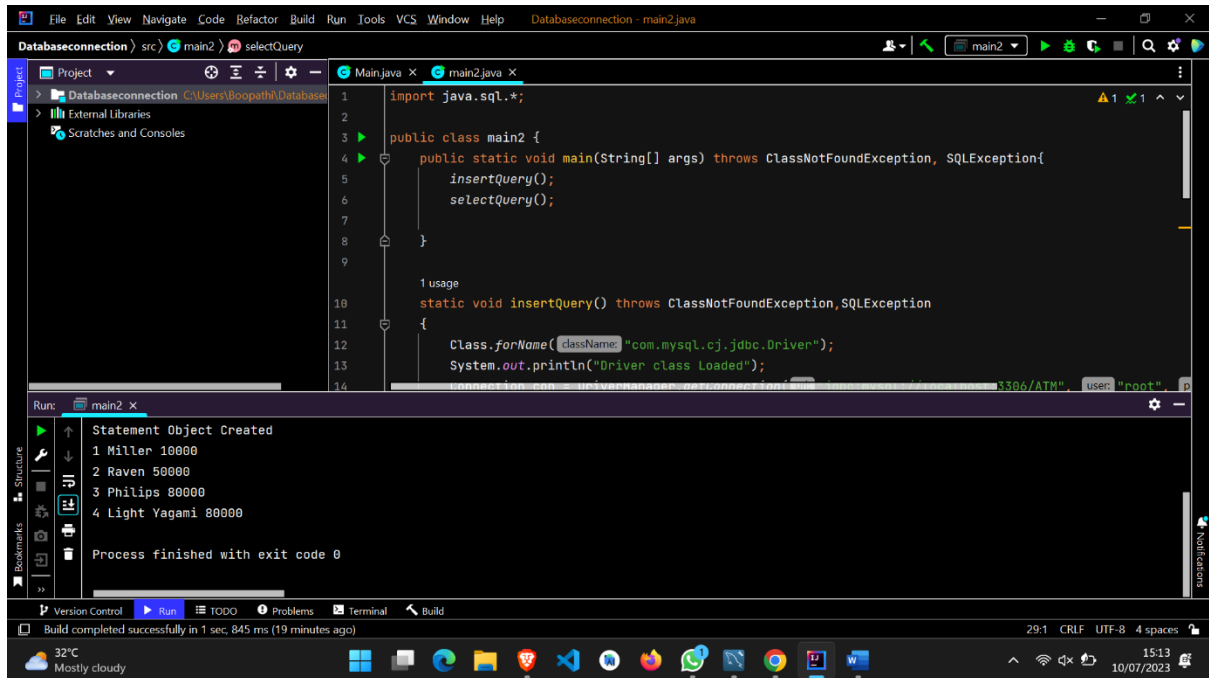
    static void insertQuery() throws ClassNotFoundException,SQLException
    {
        Class.forName("com.mysql.cj.jdbc.Driver");
        System.out.println("Driver class Loaded");
        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/ATM", "root",
"Miller@08112002");
        System.out.println("Connected");
        Statement s = con.createStatement();
        System.out.println("Statement Object Created");

        int n= s.executeUpdate("insert into ATM(id,name,saving)
values(4,\"Light Yagami\",80000);");
    }
    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",
"Miller@08112002");
        System.out.println("Connected");
        Statement s = con.createStatement();
        System.out.println("Statement Object Created");

        ResultSet rs= s.executeQuery("select * from ATM.ATM");

        while(rs.next()){
            System.out.println(rs.getString(1)+" "+rs.getString(2)+"
"+rs.getString(3));
        }
    }
}
```

## Output :



The screenshot shows an IDE window titled 'Databaseconnection - main2.java'. The code defines a class 'main2' with a 'main' method that calls 'insertQuery()' and 'selectQuery()'. The 'insertQuery()' method uses 'Class.forName()' to load the MySQL driver and prints 'Driver class Loaded'. The 'selectQuery()' method is not fully visible. The 'Run' console at the bottom shows the output of the 'selectQuery()' method, listing four records: '1 Miller 10000', '2 Raven 50000', '3 Philips 80000', and '4 Light Yagami 80000'. The process finished with exit code 0.

```
1 import java.sql.*;
2
3 public class main2 {
4     public static void main(String[] args) throws ClassNotFoundException, SQLException{
5         insertQuery();
6         selectQuery();
7     }
8 }
9
10 1 usage
11 static void insertQuery() throws ClassNotFoundException,SQLException
12 {
13     Class.forName(className "com.mysql.cj.jdbc.Driver");
14     System.out.println("Driver class Loaded");
15     connection = DriverManager.getConnection("jdbc:mysql://localhost:3306/ATM", user: "root", p
```

Run: main2.x

Statement Object Created

1 Miller 10000

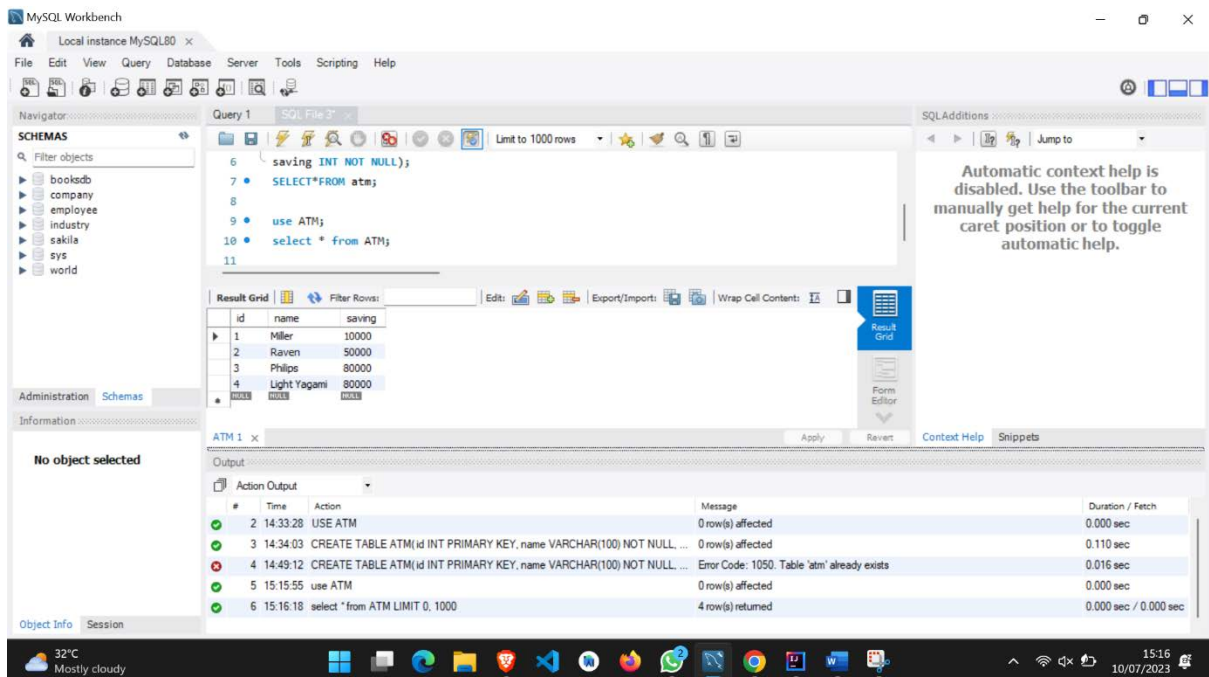
2 Raven 50000

3 Philips 80000

4 Light Yagami 80000

Process finished with exit code 0

## After Insertion :



The screenshot shows the MySQL Workbench interface. The 'Query 1' window displays a SQL query: 'SELECT \* FROM atm;'. The 'Result Grid' shows the output of the query, listing four records: '1 Miller 10000', '2 Raven 50000', '3 Philips 80000', and '4 Light Yagami 80000'. The 'Output' window at the bottom shows the execution log, including the 'CREATE TABLE' statement and the 'SELECT' statement. The log indicates that the table 'ATM' was created successfully and the query returned 4 rows.

```
6 saving INT NOT NULL);
7 SELECT * FROM atm;
8
9 use ATM;
10 select * from ATM;
11
```

Result Grid

id	name	saving
1	Miller	10000
2	Raven	50000
3	Philips	80000
4	Light Yagami	80000

ATM 1 x

Output

#	Time	Action	Message	Duration / Fetch
2	14:33:28	USE ATM	0 row(s) affected	0.000 sec
3	14:34:03	CREATE TABLE ATM(id INT PRIMARY KEY, name VARCHAR(100) NOT NULL, ...	0 row(s) affected	0.110 sec
4	14:49:12	CREATE TABLE ATM(id INT PRIMARY KEY, name VARCHAR(100) NOT NULL, ...	Error Code: 1050. Table 'atm' already exists	0.016 sec
5	15:15:55	use ATM	0 row(s) affected	0.000 sec
6	15:16:18	select * from ATM LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

## Github Link:

[https://github.com/Millerhere09/Database\\_creation.git](https://github.com/Millerhere09/Database_creation.git)