Assignment No. 2

a turite a program by using execute() in which client should be able to execute it's queries seign Enter query Select * From teuble.

Statement Inkaface - The statement interface provides methods to execute queries with the database. The strutement interstate is a tratany of Rescultsetie. it provides factory mathed to get the object of Rescutset

Commany used methods of stevement Interfere

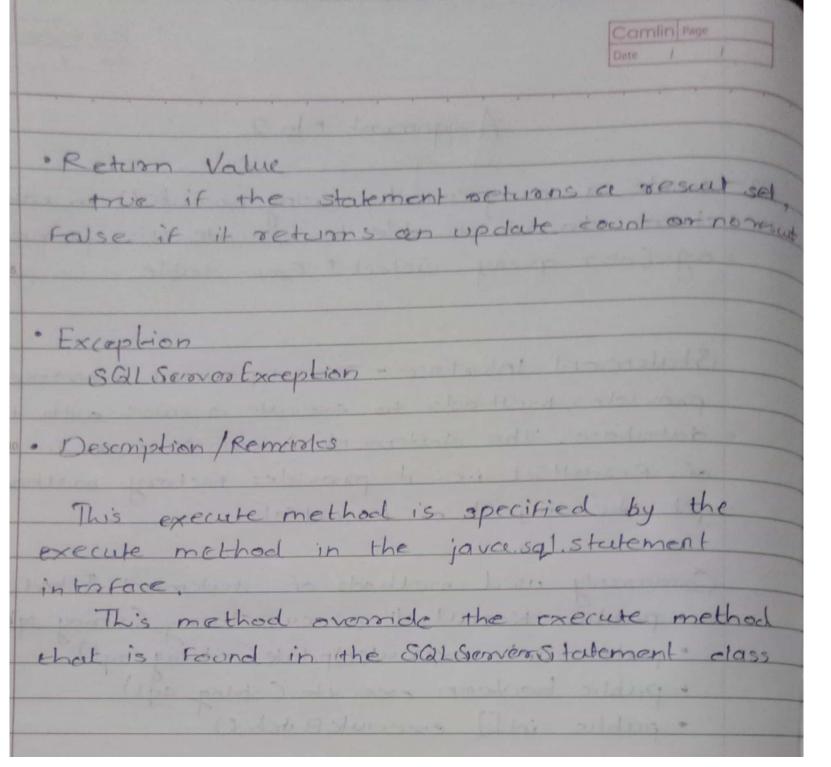
- · public Rescutsel execute (Jumy (string sql)
 - · public int execute()pdate (String sql)
 - · public boolean execute (string sq1)
 - · public int[] execute Buth ()"

Execute Method

final boolean execute (java lang String sq1)

· Parameter

A storing that contents on wal statements.



```
package net.codejava;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
import java.util.Scanner;
public class execute {
        public static void main(String[] args) throws Exception (
                // TODO Auto-generated method stub
                String url = "jdbc:mysql://localhost:3306/assignment2";
        String username = "blackhat";
        String password = "blackhat";
        //Connect to sql server
        Connection con = DriverManager.getConnection(url, username, password);
                System.out.println("Database connected successfully ");
                String querry;
                Scanner sc = new Scanner(System.in);
                System.out.println("Enter the query");
                querry =sc.nextLine();
                //create jdbc statement obj
                Statement st = con.createStatement();
                boolean flag = st.execute(querry);
                //gather and process the result
                if(flag -- true) // when select sql is executed
                        ResultSet rs= st.getResultSet();
                        while(rs.next())
                                System.out.println(rs.getInt(1)+ " " +rs.getString(2)+" "+ rs.getString(3));
                        rs.close();
                }//if close
                else//when non-select query is executed
                        int rowcount = st.getUpdateCount();
                        System.out.println("Number of records affected: "+ rowcount);
                st.close();
                //close jdbc obj
               con.close();
        }
```

```
<terminated> execute [Java Application] C:\Program Files
Database connected successfully
Enter the query
Select * from students;
39 Bhavin Patil
```

```
<terminated> execute [Java Application] C:\Program Files\Java\jdk-11.
Database connected successfully
Enter the query
Select * from students;
B9 Bhavin Patil
45 xyz XYZ
47 abc ABC
54 pgr POR
```

```
<terminated> execute [Java Application] C:\Program Files\Java\jdk-11.0.11\bin\java\w.exe (30-May
Database connected successfully
Enter the query
update students SET Firstname = 'mno', Lastname = 'MNO' WHERE id=47;
Number of records affected : 1
```

```
<terminated> execute [Java Application] C:\Program Files\Java\jdk-11.0.11\bi
Database connected successfully
Enter the query
Select * from students;
B9 Bhavin Patil
45 xyz XYZ
47 mno MNO
```

54 pgr PQR

```
<terminated> execute [Java Application] C:\Program Files\Java\jdk-
Database connected successfully
Enter the query
Delete from students where id = 45;
Number of records affected : 1
```

```
mysql> Select * from students;
 id
         Firstname
                       LastName
         Bhavin
                       Patil
    39
                       MNO
    47
         mno
    54
                       POR
         par
  rows in set (0.00 sec)
```