PROJECT- CORE JAVA

EB BILL AMOUNT GENERATION

(JDBC Connectivity)

JDBC CONNECTIVITY CONCEPTS:

JDBC stands for Java Database Connectivity. JDBC is a Java API to connect and execute the query with the database. It is a part of JavaSE (Java Standard Edition). JDBC API uses JDBC drivers to connect with the database.

We can use JDBC API to access tabular data stored in any relational database. By the help of JDBC API, we can save, update, delete and fetch data from the database.

Code for Project-EB BILL:

```
package jdbc_con;
import java.sql.*;
import java.util.*;
import java.sql.PreparedStatement;
class jdbc_conn1{
public static void main(String args[]) {
        try{
        Class.forName("com.mysql.cj.jdbc.Driver");
        Connection
        Con=DriverManager.getConnection("jdbc:mysql://localhost/EB_Bill1","root","");
        Statement Stmt=Con.createStatement();
        ResultSet rs=Stmt.executeQuery("select * from  Madurai");
                while(rs.next())
        //System.out.println(rs.getString(1)+"  "+rs.getInt(2)+"  "+rs.getInt(3)+" "+rs.getString(4));
        //String query1="INSERT INTO Madurai " + "VALUES('Rithika','204',400,'SSColony')";
        //Stmt.executeUpdate(query1);
        //System.out.println("Record is inserted in the table successfully...");
        //ResultSet rs1=stmt1.executeQuery("select * from madurai");
        System.out.println("****");
        Statement stsmt2=Con.createStatement();

        ResultSet rs2=stsmt2.executeQuery("select * from  madurai");
```

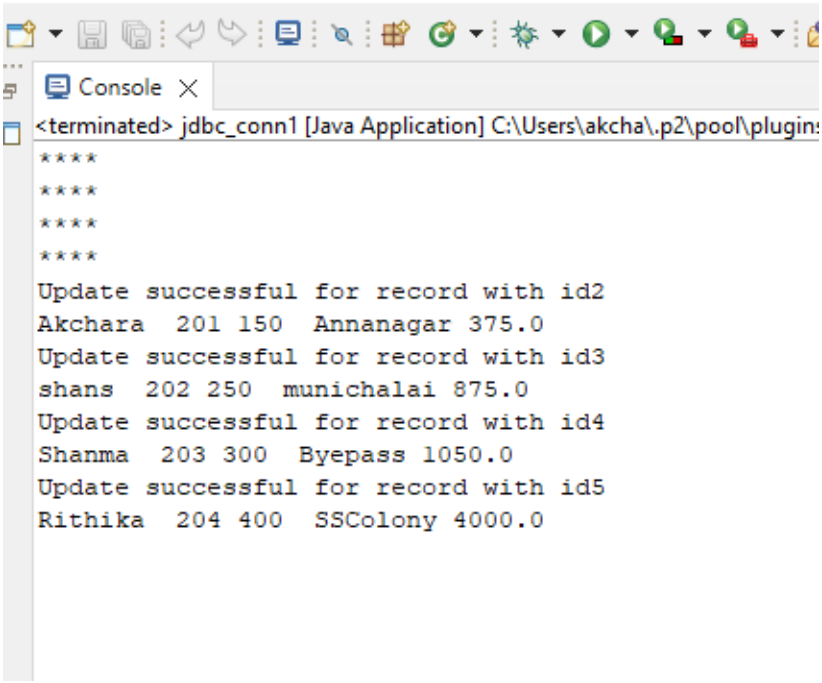
```
double amt;
int j=0;
String sqlUpdate="UPDATE madurai Set Amount=? WHERE id= ?";
PreparedStatement statement=Con.prepareStatement(sqlUpdate);
while(rs2.next())
{
//Statement Stmt3=Con.createStatement();
//Stmt3.executeQuery("select * from Madurai");
int s=rs2.getInt(3);
        if((s>100) && (s<=200))
        {amt=s*2.5;}
        else if((s>200) && (s<=300))
        {amt=s*3.5;}
        else if(s>300)
        {amt=s*10;}
        else
        {amt=0;}
        int i=rs2.getInt(2);
        /*System.out.println(i);
        li[j]=amount;*/
        j=j+1;
        statement.setDouble(1,amt);
        statement.setDouble(2, i);
        int rowUpdated=statement.executeUpdate();
        if(rowUpdated > 0) {
        System.out.println("Update successful for record with id" +(j+1));
        }else {
                System.out.println("No update performed for record with id" +(j+1));
        }
System.out.println(rs2.getString(1)+"  "+rs2.getInt(2)+" "+rs2.getInt(3)+"
"+rs2.getString(4)+" "+amt);
//System.out.println(amt);
}
```

```
            String sav="commit";
            Stmt.executeQuery(sav);
    Con.close();
            }catch(Exception e) { System.out.println(e);}
    }


}
```

OUTPUT:

AMOUNT PRINTED IN JDBC CONNECTIVITY(JAVA):



INSERTION OF AMOUNT IN DATABASE:

Name	ID	No of Units	Address	Amount
Akchara	201	150	Annanagar	375
shans	202	250	munichalai	875
Shanma	203	300	Byepass	1050
Rithika	204	400	SSColony	4000