Title: Banking App For Employees

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MVCEC ID: MVCEC-CCSP19-S1/30

Modules: Class.forName, Connection, Statement, ResultSet, executeQuery, ResultSetMetaData, getMetaData

Cannot Connect to Server so only code about requirements

Code:

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

/**
 *
 * @author LAXMINARAYANRO
 */
import java.sql.*;
import java.util.Scanner;
public class proj
{
   public static void main(String[] args)
```

```
{System.out.println("Welcome To Inkat Banking App");


System.out.println("Producer Consumer Solution!!!");
    int n;
    System.out.println("1.Create Account
Table\n2.Insert\n3.Update\n4.View\n5.Search\n6.Delete");
    while(true)
    {
      Scanner sc=new Scanner(System.in);
      System.out.print("Enter your choice: ");
      n=sc.nextInt();
      switch(n)
      {
        case 1:
          try
           {
              Class.forName("com.mysql.cj.jdbc.Driver");//Cannot
connect
              Connection cn =
DriverManager.getConnection("jdbc:derby://localhost:1527/College"
); //Cannot connect
              Statement st = cn.createStatement();
              String str = "create table bank(id int primary key,fname
varchar(15), lname varchar(15), bal int)";
              st.execute(str);
```

```
            System.out.println("table created successfully ");
            cn.close();
          }
          catch(Exception e)
          {
            System.out.println("error:"+e.getMessage());
          }
        case 2:
          try
          {

            int bal, id; String ln ,fn;

            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection cn =
DriverManager.getConnection("jdbc:derby://localhost:1527/College"
);
            Statement st = cn.createStatement();

            System.out.println("Enter id  no:");
            id = sc.nextInt();
            System.out.println("Enter first Name:");
            fn = sc.next();
```

```
                System.out.println("Enter name:");
                ln = sc.next();



                System.out.println("Enter last name:");
                bal = sc.nextInt();


                String str = "insert into bank values ("+id+","+fn+"',
'"+ln+"', "+bal+" )";
                st.execute(str);
                System.out.println("record inserted successfully ");
                cn.close();
            }
            catch(Exception e)
            {
                System.out.println("error:"+e.getMessage());
            }
        case 3:
            try
                {
                    Class.forName("com.mysql.cj.jdbc.Driver");
```

```
                    Connection cn =
DriverManager.getConnection("jdbc:derby://localhost:1527/College"
);
                    Statement st = cn.createStatement();
                    int bal, id;

                    System.out.println("Enter ID");
                    id = sc.nextInt();

                    System.out.println("Enter amount");
                    bal = sc.nextInt();
                    String str = "update bank set bal = "+bal+" where
empid = "+id+"      ";
                    st.executeUpdate(str);
                    System.out.println("record updated successfully ");
                    cn.close();
                }
                catch(Exception e)
                {
                    System.out.println("error:"+e.getMessage());
                }
            case 4:
                try
                {
```

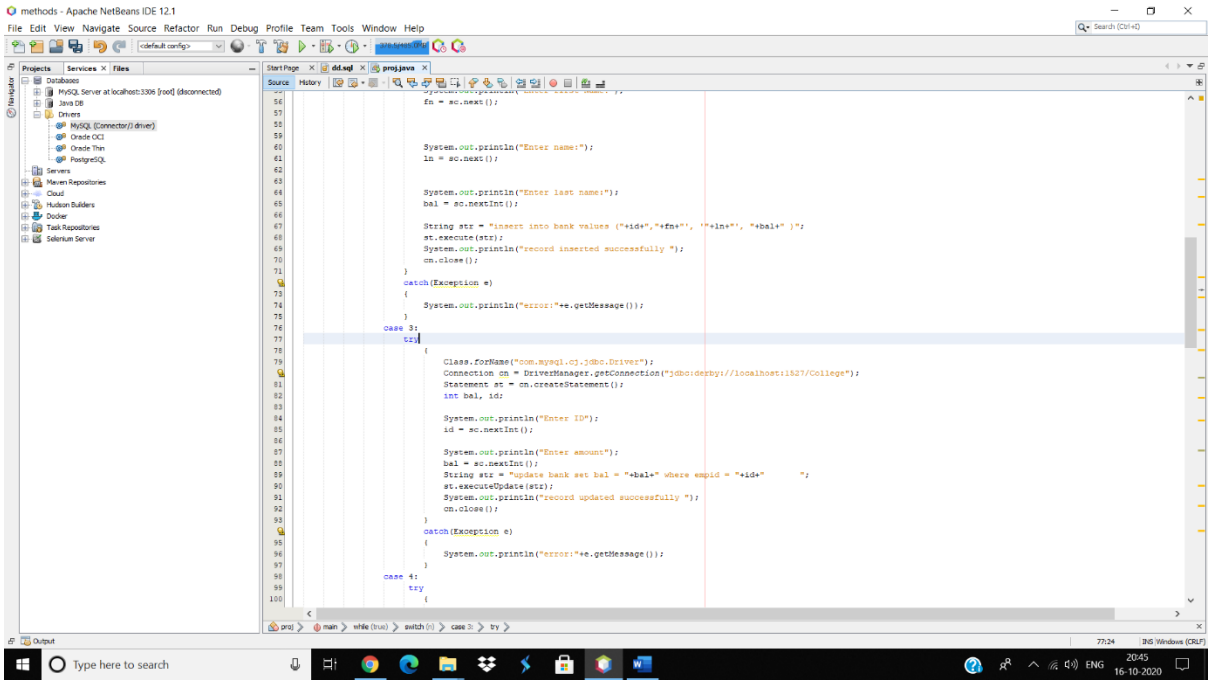
```
Class.forName("com.mysql.cj.jdbc.Driver"); // drive class name
Connection cn = DriverManager.getConnection("jdbc:derby://localhost:1527/College"); // database path
Statement st = cn.createStatement();

String str = "Select * from bank";
// execute(), executeQuery(), executeUpdate()
// Resultset
ResultSet rs = st.executeQuery(str);
//ResultsetMetadata
ResultSetMetaData rsmd = rs.getMetaData();
System.out.println(" Printing records ");
System.out.println("Total no of columns:"+rsmd.getColumnCount());
System.out.println(rsmd.getColumnName(1)+ " " + rsmd.getColumnName(2) + " "+ rsmd.getColumnName(3)+" "+ rsmd.getColumnName(4));

while(rs.next())
{
   System.out.println(rs.getString("id")+" "+rs.getString("fn") + " "+ rs.getString("ln") + " "+ rs.getString("bal"));
}
cn.close();
```

```
                }
                catch(Exception e)
                {
                   System.out.println("error:"+e.getMessage());



                }
            case 5:
               try
                {
                   Class.forName("com.mysql.cj.jdbc.Driver"); // drive
class name
                   Connection cn =
DriverManager.getConnection("jdbc:derby://localhost:1527/College"
); // database path
                   Statement st =
cn.createStatement(ResultSet.TYPE_SCROLL_SENSITIVE,
ResultSet.CONCUR_UPDATABLE);
                   int id;


                   System.out.println("Enter id");
                   id = sc.nextInt();
                   String str = "Select * from emp where empid = "+id+"
";
                   ResultSet rs = st.executeQuery(str);
```

```
                    if (rs.next())
                    {
                        ResultSetMetaData rsmd = rs.getMetaData();
                        System.out.println(" Printing records ");
                        System.out.println(rsmd.getColumnName(1)+ " " +
rsmd.getColumnName(2) + " "+ rsmd.getColumnName(3)+" "+
rsmd.getColumnName(4));

                        rs.beforeFirst();
                        while(rs.next())
                        {
                            System.out.println(rs.getString("id")+"
"+rs.getString("fn") + " "+ rs.getString("ln") + " "+ rs.getString("bal"));
                        }
                    }
                    else
                    {
                        System.out.println("record not avaialble");
                    }

                    cn.close();
                }
                catch(Exception e)
                {
                    System.out.println("error:"+e.getMessage());
```

```
                }
            case 6:
               try
                {
                    Class.forName("com.mysql.cj.jdbc.Driver"); // drive
class name
                    Connection cn =
DriverManager.getConnection("jdbc:derby://localhost:1527/College"
); // database path
                    Statement st = cn.createStatement();
                    int id;
                    System.out.println("Enter id");
                    id = sc.nextInt();
                    String str = " delete from bank where id = "+id+"       ";
                    st.executeUpdate(str);
                    System.out.println("record deleted successfully ");
                    cn.close();
                }
                catch(Exception e)
                {
                    System.out.println("error:"+e.getMessage());
                }

                }
   }
```

```
}

}
```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Source History
fn = sc.next();
System.out.println("Enter name:");
ln = sc.next();
System.out.println("Enter last name:");
bal = sc.nextInt();
String str = "insert into bank values ("+id+","+fn+"', '"+ln+"', "+bal+")";
st.execute(str);
System.out.println("record inserted successfully ");
cn.close();
catch(Exception e)
System.out.println("error:"+e.getMessage());
case 3:
try
Class.forName("com.mysql.cj.jdbc.Driver");
Connection cn = DriverManager.getConnection("jdbc:derby://localhost:1527/College");
Statement st = cn.createStatement();
int bal, id;
System.out.println("Enter ID");
id = sc.nextInt();
System.out.println("Enter amount");
bal = sc.nextInt();
String str = "update bank set bal = "+bal+" where empid = "+id+" ";
st.executeUpdate(str);
System.out.println("record updated successfully ");
cn.close();
catch(Exception e)
System.out.println("error:"+e.getMessage());
case 4:
try
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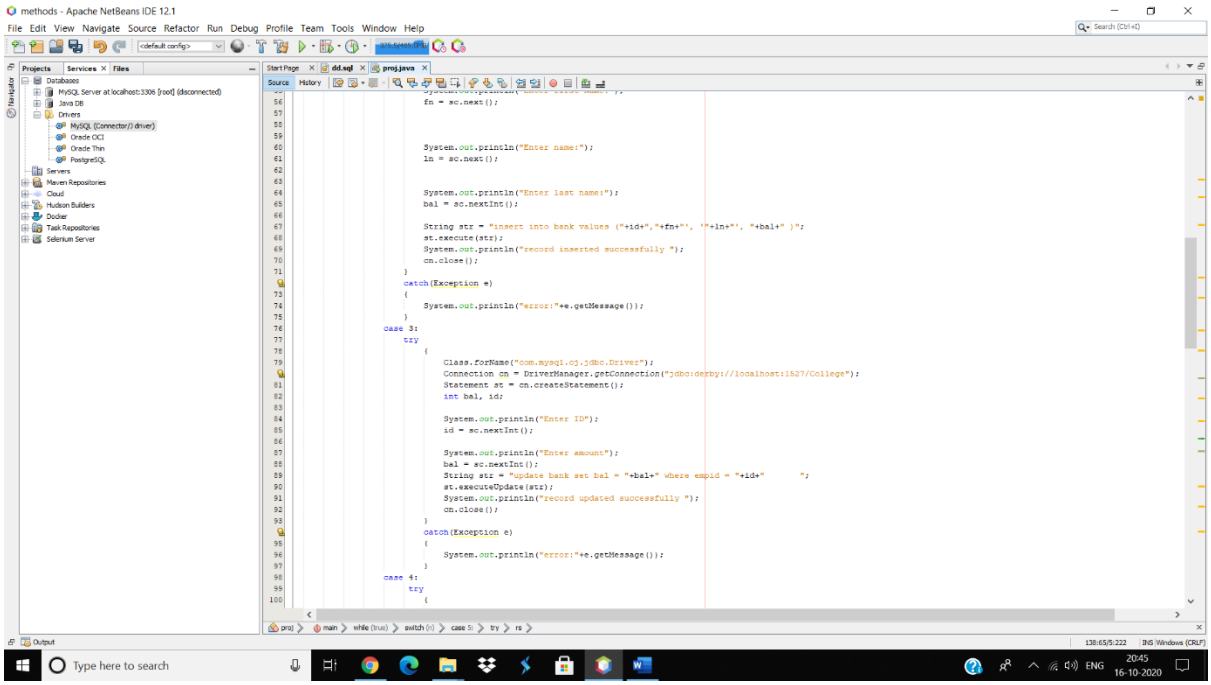
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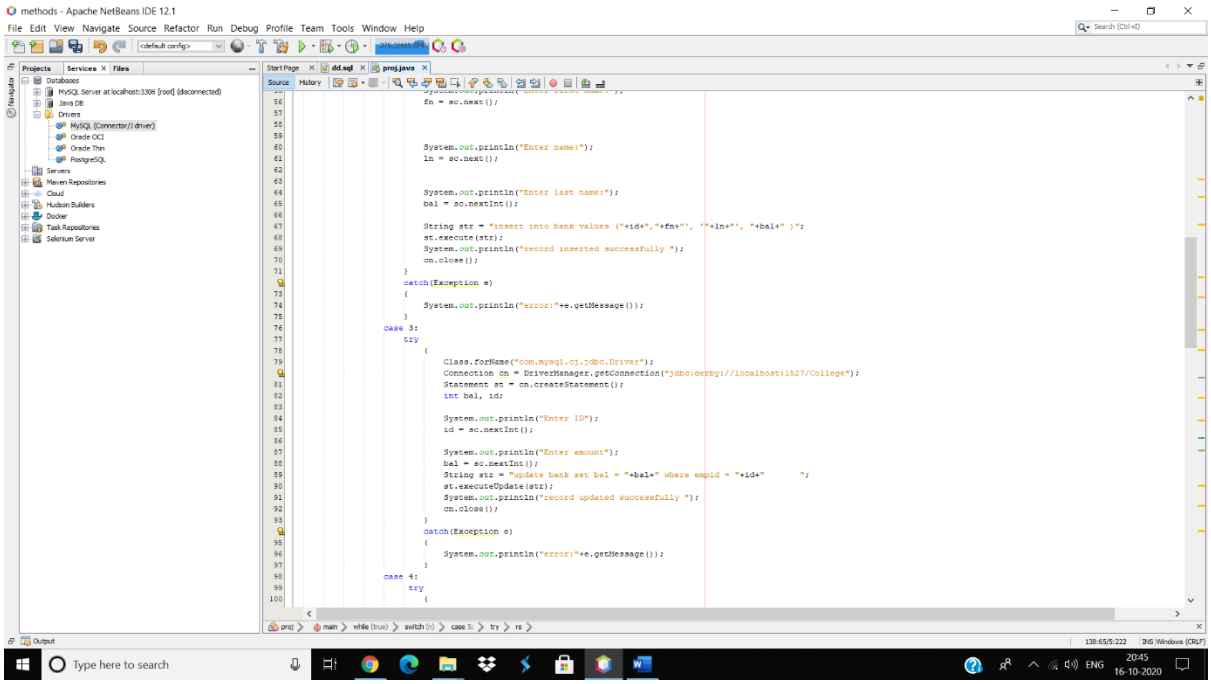
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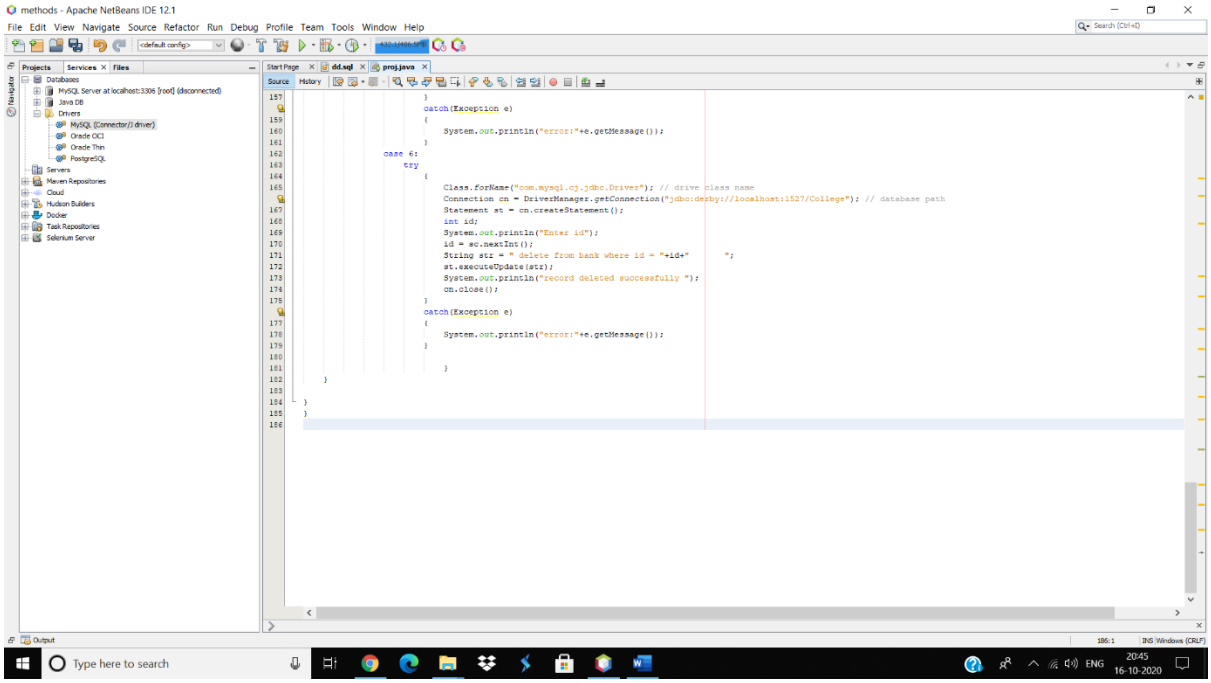
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