

## WELCOME (main) CLASS

```
package com.Bank.App;

import java.util.List;
import java.util.Scanner;

import com.Bank.DAO.CustomerDAO;
import com.Bank.DAO.CustomerDAOImpl;
import com.Bank.DTO.Customer;

public class Welcome {
    public static void main(String[] args) {
        int choice=0;
        Scanner sc=new Scanner(System.in);
        System.out.println("<=====Welcome to New Bank=====>");
        do {
            System.out.println("1. Customer Login");
            System.out.println("2. Create a account");
            System.out.println("3. Exit");
            choice=sc.nextInt();
            switch (choice)
```

```
{
case 1:{
    Login.login();
    break;
}
case 2:{
    Signup.signup();
    break;
}
case 3:{
    System.out.println("Exiting the Application. Thank
you");
    break;
}
case 4:
{
    CustomerDAO cdao=new CustomerDAOImpl();
    List<Customer> Lc=cdao.getCustomer();
    for(Customer c:Lc)
    {
        System.out.println(c);
    }
}
```

```
    }  
  
    default:  
        System.out.println("Invalid input.Please try  
again!");  
    }  
  
    } while (choice!=3);  
    sc.close();  
}  
}
```

## **LOGIN CLASS**

```
package com.Bank.App;  
  
import java.util.Scanner;  
import com.Bank.DAO.CustomerDAO;  
import com.Bank.DAO.CustomerDAOImpl;  
import com.Bank.DTO.Customer;
```

```
public class Login {
    public static void login()
    {
        Scanner sc=new Scanner(System.in);

        CustomerDAO cdao=new CustomerDAOImpl();
        System.out.println("Enter your Account number");
        long accno=sc.nextLong();
        System.out.println("Enter your PIN");
        int pin=sc.nextInt();
        Customer c=cdao.getCustomer(accno, pin);
        if(c!=null)
        {
            System.out.println("Login successful!");
            App.options(c);
        }
        else
        {
            System.out.println("Failed to login!");
        }
    }
}
```

## **CUSTOMERDAOIMPL (CustomerDAOImpl) CLASS**

```
package com.Bank.DAO;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.ArrayList;
import java.util.List;

import com.Bank.Connection.Connector;
import com.Bank.DTO.Customer;

public class CustomerDAOImpl implements CustomerDAO {

    private Connection con;
    public CustomerDAOImpl()
    {
        this.con=Connector.requestConnection();
    }
}
```

@Override

```
public Customer getCustomer(long accno, int pin) {
    PreparedStatement ps=null;
    ResultSet rs=null;
    Customer c=null;
    String query="SELECT * FROM CUSTOMER WHERE ACC_NO=? AND
PIN=?";
    try {
        ps=con.prepareStatement(query);
        ps.setLong(1,accno);
        ps.setInt(2, pin);
        rs=ps.executeQuery();
        if(rs.next())
        {
            c=new Customer();
            c.setAccno(rs.getInt(1));
            c.setName(rs.getString(2));
            c.setPhone(rs.getLong(3));
            c.setMail(rs.getString(4));
            c.setBal(rs.getDouble(5));
            c.setPin(rs.getInt(6));
        }
    }
```

```
    } catch (SQLException e) {  
        // TODO Auto-generated catch block  
        e.printStackTrace();  
    }  
    return c;  
}
```

## APP CLASS

```
package com.Bank.App;  
  
import java.util.Scanner;  
  
import com.Bank.DTO.Customer;  
  
public class App {  
    public static void options(Customer c)  
    {  
        Scanner sc=new Scanner(System.in);  
        int choice=0;  
        System.out.println("Welcome "+c.getName()+" ,");  
    }  
}
```

```
System.out.println("Enter your choice");
do {
    System.out.println("1. Check Balance");
    System.out.println("2. Deposit");
    System.out.println("3. Transfer the amount");
    System.out.println("4. Passbook");
    System.out.println("5. Update your account");
    System.out.println("6. Reset PIN");
    System.out.println("7. Go back to main menu");
    choice=sc.nextInt();
    switch(choice)
    {
        case 1:{
            System.out.println("Your balance is
Rs."+c.getBal());
            break;
        }

        case 2: Deposit.deposit(c);
            break;

        case 3: TransferAmount.transferAmount(c);
```



```
        break;

    case 4: Passbook.getPassbook(c);
        break;

    case 5://Update class required
        break;

    case 6: ResetPin.resetPin(c);
        break;

    case 7: System.out.println("Entering to main menu");
        break;

    default: System.out.println("Invalid choice. Enter the
correct choice!");
    }
}
while(choice!=7);
}
}
```