


```

        sc.nextLine();
        int i =
CustomerDB.save(name,address,doj,phone);
        if(i>0){
            System.out.println("Data added
successfully");
        }
        break;
    }
    case "2":{

        try{
            Connection con = Database.getConnection();
            Statement stmt = con.createStatement();
            ResultSet rs = stmt.executeQuery("select *
from customer");

            while(rs.next()){
                System.out.println(
                    "\nMembership code: " +rs.getInt(1) +
                    "\nName: " + rs.getString(2) +
                    "\nAddress: " +
rs.getString(3)
                    + "\nDate of joining: " +
rs.getString(4) +
                    "\nPhone: " + rs.getLong(5) +
"\n");
            }
        }catch(Exception e){
            System.out.println(e);
        }break;
    }
    case "3":{
        try{
            Connection con = Database.getConnection();
            Statement stmt = con.createStatement();
            ResultSet rs = stmt.executeQuery("select *
from facility_fee");

            while(rs.next()){
                System.out.println(
                    rs.getString(1) +
                    " " + rs.getInt(2));
            }
        }catch(Exception e){
            System.out.println(e);
        }
        break;
    }
    case "4":{

        System.out.println("Enter facility you want:
");

        String fclity = sc.next();
        System.out.println("Enter Member code: ");
        int mcode = sc.nextInt();
        sc.nextLine();
        System.out.println("Enter date of submission of
fees: ");

        String dos = sc.next();

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        int i = FeeDB.save(mcode,dos,fclity,null);
        if(i>0){
            System.out.println("Data added
successfully");
        }
        break;

    }
    case "5":{
        System.out.println("Enter facility you want:
");

        String fclity = sc.next();
        System.out.println("Enter Member code: ");
        int mcode = sc.nextInt();
        sc.nextLine();
        int i = FeeDB.update(mcode,fclity);
        if(i>0){
            System.out.println("Data added
successfully");
        }
        break;
    }
    case "6":{
        System.out.println("Enter Membership code: ");
        int code = sc.nextInt();

        try{
            Connection con = Database.getConnection();
            Statement stmt = con.createStatement();
            ResultSet rs = stmt.executeQuery("select
fc1,fc2,fees from customer_fee where mcode="+code);
            while(rs.next()){
                System.out.println(
                    "\nFacility 1: " +
rs.getString("fc1") +
                    "\nFacility 2:" +
rs.getString("fc2")
                    + "\nTotal amount: " +
rs.getInt("fees") + "\n");
            }
        }catch(Exception e){
            System.out.println(e);
        }

        break;
    }

}

}

}else{

    while (true) {
        System.out.println("1.Add facility\n2.Display
facility\n3.Display all customer\n0.Exit");
        t = sc.next();
        if (t.equals("0")) {
            break;
        }
        switch (t){

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        case "1":{
            System.out.println("Enter facility name: ");
            String se = sc.next();
            System.out.println("Enter fees of facility: ");
            int fee_ = sc.nextInt();
            int i = FacilityDB.save(se,fee_);
            if(i>0){
                System.out.println("Data added
successfully");
            }

            break;
        }
        case "2":{
            try{
                Connection con = Database.getConnection();
                Statement stmt = con.createStatement();
                ResultSet rs = stmt.executeQuery("select *
from facility_fee");

                while(rs.next()){
                    System.out.println(rs.getString(1) + "
" + rs.getInt(2));
                }
            }catch(Exception e){
                System.out.println(e);
            }
            break;
        }
        case "3":{
            try{
                Connection con = Database.getConnection();
                Statement stmt = con.createStatement();
                ResultSet rs = stmt.executeQuery("select *
from customer");

                while(rs.next()){

                    int mcode = rs.getInt("mcode");
                    String name = rs.getString("name");
                    String address =
rs.getString("address");

                    long phone = rs.getLong("phone");
                    String doj = rs.getString("doj");

                    Runnable r= new
MultiThreadingDemo(mcode,name,address,doj,phone);
                    new Thread(r).start();

                }
            }catch(Exception e){
                System.out.println(e);
            }
        }
    }

    }

    System.out.println("Do you want to continue?");
    String a = sc.next();
    if(a.equals("Y")) {
        continue;
    } else {

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        break;
    }
}
}
}

```

CustomerDB.java

```

import java.sql.*;
public class CustomerDB {
    public static int save(String name,String address,String doj,long
number){
        int status = 0;
        try{
            Connection con = Database.getConnection();
            PreparedStatement stmt = con.prepareStatement("insert into
customer(name,address,doj,phone) values(?,?,?,?)");
            stmt.setString(1,name);
            stmt.setString(2,address);
            stmt.setString(3,doj);
            stmt.setLong(4,number);

            status=stmt.executeUpdate();

        }catch (Exception e){
            System.out.println(e);
        }
        return status;
    }

    public static void display(){
        try{
            Connection con = Database.getConnection();
            Statement stmt = con.createStatement();
            ResultSet rs = stmt.executeQuery("select * from customer");
            while(rs.next()){
                System.out.println(rs.getInt(1) + " " + rs.getString(2) + "
" + rs.getString(3)
                + " " + rs.getString(4) + " " + rs.getString(5));
            }
        }catch(Exception e){
            System.out.println(e);
        }
    }
}

```

Database.java

```

import java.sql.*;
import java.sql.Connection;
public class Database {
    public static Connection getConnection(){
        Connection con=null;
        try{
            Class.forName("com.mysql.jdbc.Driver");

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con=DriverManager.getConnection("jdbc:mysql://localhost:3306/sdl?allowPublicKeyRetrieval=true&useSSL=false","root","mrunal20");
    }catch (Exception e){System.out.println(e);}
    return con;
}
}

```

FeesDB.java

```

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.Statement;

public class FeeDB {
    public static int save(int mcode,String dos,String facility1,String facility2){
        int status = 0;
        int value = 0;
        try{
            Connection con = Database.getConnection();
            Statement stm = con.createStatement();
            ResultSet rs = stm.executeQuery("select fee from facility_fee where facility='"+facility1+"'");
            while (rs.next())
                value = rs.getInt("fee");

            PreparedStatement stmt = con.prepareStatement("insert into customer_fee(mcode,dos,fc1,fc2,fees) values(?,?,?,?,?)");
            stmt.setInt(1,mcode);
            stmt.setString(2,dos);
            stmt.setString(3,facility1);
            stmt.setString(4,facility2);
            stmt.setInt(5,value);

            status=stmt.executeUpdate();

        }catch (Exception e){
            System.out.println(e);
        }
        return status;
    }

    public static int update(int mcode,String facility){
        int status = 0;
        int value = 0;
        try{
            Connection con = Database.getConnection();
            Statement stm = con.createStatement();
            ResultSet rs = stm.executeQuery("select fee from facility_fee where facility='"+facility+"'");
            while (rs.next())
                value = rs.getInt("fee");

            stm.executeUpdate("update customer_fee set fc2='"+facility+"' where mcode="+mcode);
            stm.executeUpdate("update customer_fee set fees="+value+" fees where mcode="+mcode);
            con.close();
        }
    }
}

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        stm.close();

    }catch (Exception e){
        System.out.println(e);
    }
    return status;
}
}

```

FacilityDB.java

```

import java.sql.Connection;
import java.sql.PreparedStatement;

public class FacilityDB {

    public static int save(String facility,int fee){
        int status = 0;
        try{
            Connection con = Database.getConnection();
            PreparedStatement stmt = con.prepareStatement("insert into
facility_fee(facility,fee) values(?,?)");
            stmt.setString(1,facility);
            stmt.setInt(2,fee);

            status=stmt.executeUpdate();

        }catch (Exception e){
            System.out.println(e);
        }
        return status;
    }
}

```