Task1

```java
package com.apstaks.main;


import java.sql.SQLException;

import java.util.Scanner;


public class Menu {


	public static void main(String[] args) throws ClassNotFoundException, SQLException {
		int n, id;
		String name, city;
		Long num;
		boolean x = false;
		do {
			System.out.println("Enter Above Mention Option: ");
			System.out.println("1. Select hospital Records");
			System.out.println("2. Insert hospital Records");
			System.out.println("3. Delete hospital Records");
			System.out.println("4. Update hospital Records");
			System.out.println("5. select All hospital Records");

			Scanner sc = new Scanner(System.in);
			n = sc.nextInt();

			switch (n) {
			case 1:
				System.out.println("1. Hospital Records Selection");
				System.out.println("Please Select id");
				id = sc.nextInt();
				Select select = new Select(id);
				x = true;
```

```java
                break;

        case 2:

                System.out.println("Hospital Insertion");

                System.out.println("Enter Hospital  id");

                id = sc.nextInt();

                System.out.println("Enter Hospital  Name");

                name = sc.next();

                System.out.println("Enter Hospital  City");

                city = sc.next();

                System.out.println("Enter Hospital  Number");

                num = sc.nextLong();

                Insert insert = new Insert(id, name, city, num);

                x = true;
                break;

        case 3:

                System.out.println("3. Hospital Records Deletion");

                System.out.println("Enter Hospital  id");

                id = sc.nextInt();

                Delete delete = new Delete(id);

                x = true;
                break;

        case 4:

                System.out.println("4. Hospital Records Updation");

                System.out.println("Enter Hospital  Name");

                name = sc.next();

                System.out.println("Enter Hospital  City");

                city = sc.next();

                System.out.println("Enter Hospital  Number");

                num = sc.nextLong();

                System.out.println("Enter Confirm Hospital id You Have To
Update");
```

```java
                    id = sc.nextInt();

                    Update update = new Update(name, city, num, id);

                    x = true;

                    break;

            case 5:

                    SelectAll selectAll = new SelectAll();

                    x = true;

                    break;

            default:

                    System.out.println(" **-- Invalid Selection--** ");

                    x = true;

            }

        } while (x != false);

    }


}
```
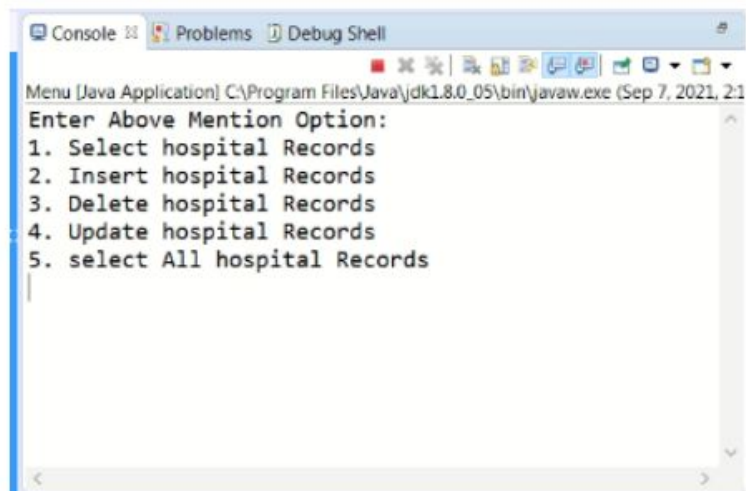
```
Enter Above Mention Option:
1. Select hospital Records
2. Insert hospital Records
3. Delete hospital Records
4. Update hospital Records
5. select All hospital Records
5
 | 1 | Aims |  | Nagpur | 7894561230
------------------------------------------------------
 | 2 | Apolo |  | Nagpur | 4567891230
------------------------------------------------------
Enter Above Mention Option:
1. Select hospital Records
2. Insert hospital Records
3. Delete hospital Records
4. Update hospital Records
5. select All hospital Records

3. Hospital Records Deletion
Enter Hospital  id
2
Deletion Done
Enter Above Mention Option:
1. Select hospital Records
2. Insert hospital Records
3. Delete hospital Records
4. Update hospital Records
5. select All hospital Records
```

File Edit Source Refactor Navigate Search Project Run Window Help

Console 🗙 Problems Debug Shell

Menu [Java Application] C:\Program Files\Java\jdk1.8.0_05\bin\javaw.exe (Sep 7, 2021, 9:42:42 AM)

```
Enter Above Mention Option:
1. Select hospital Records
2. Insert hospital Records
3. Delete hospital Records
4. Update hospital Records
5. select All hospital Records
2
Hospital Insertion
Enter Hospital  id
34
Enter Hospital  Name
wokart
Enter Hospital  City
ngp
Enter Hospital  Number
1234567891
Successfull Inserted
Enter Above Mention Option:
1. Select hospital Records
2. Insert hospital Records
3. Delete hospital Records
4. Update hospital Records
5. select All hospital Records
```

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Search the web and Windows

9:43 AM
07/09/2021

Task2

```java
package com.apstaks.main;

import java.sql.SQLException;
import java.util.Scanner;

public class PaitenceMenu {
    public static void main(String[] args) throws ClassNotFoundException, SQLException {
        int id, pincode, n,p;
        String name, email, address, state, city, date, password;
        Long phone;
        boolean x = false;
        do {
            System.out.println("Enter Above Mention Option: ");
            System.out.println("1. Create Account");
            System.out.println("2. Login");
            System.out.println("3. Admin");
            System.out.println("4. AdminLogin");
            System.out.println("5. Logout");
            Scanner sc = new Scanner(System.in);
            n = sc.nextInt();
            switch (n) {
            case 1:
                System.out.println("1. Profile Creation");
                System.out.println("Enter Name");
                name = sc.next();
                System.out.println("Enter Phone");
                phone = sc.nextLong();
                System.out.println("Enter Email");
```

```java
                    email = sc.next();

                    System.out.println("Enter Address");

                    address = sc.next();

                    System.out.println("Enter State");

                    state = sc.next();

                    System.out.println("Enter City");

                    city = sc.next();

                    System.out.println("Enter Pincode");

                    pincode = sc.nextInt();

                    System.out.println("Enter Date");

                    date = sc.next();

                    System.out.println("Enter Password");

                    password = sc.next();

                    PInsert insert = new PInsert(name, phone,
email,address,state,city,pincode,date,password);

                    x = true;

                    break;


            case 2:

                    System.out.println("Enter Email");

                    email = sc.next();

                    System.out.println("Enter Password");

                    password = sc.next();

                    Login login = new Login(email, password);


                    x = true;

                    break;

            case 3:

                    System.out.println("Enter name for admin");

                     String user = sc.next();

                    System.out.println("Enter Email for admin");
```

```java
                String aemail = sc.next();

                System.out.println("Enter Password for admin");

                String apassword = sc.next();

                Admin admin = new Admin(user, aemail, apassword);


                x = true;

                break;
        case 4:

                System.out.println("Admin Login");

                System.out.println("Enter Email");

                aemail = sc.next();

                System.out.println("Enter Password");

                apassword = sc.next();

                AdminLogin adminlogin = new AdminLogin(aemail, apassword);


                x = true;

                break;


        case 5:

                x = true;

                break;


                default:

                        break;



        }



} while (x != false);
```

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Console   Problems   Debug Shell

PaitenceMenu [Java Application] C:\Program Files\Java\jdk1.8.0_05\bin\javaw.exe (Sep 7, 2021, 9:16:21 AM)

```
Enter Above Mention Option:
1. Create Account
  2. Login
  3. Admin
  4. AdminLogin
  5. Logout
1
1. Profile Creation
Enter Name
thorvi
Enter Phone
9607516159
Enter Email
thakrethorvi@gmail.com
Enter Address
nandavan nagpur
Enter State
Enter City
mh
Enter Pincode
440021
Enter Date
7-9-2021
Enter Password
12345
Successfull Created
Enter Above Mention Option:
1. Create Account
2. Login
3. Admin
4. AdminLogin
5. Logout
```

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Search the web and Windows

9:25 AM
07/09/2021

Console Problems Debug Shell

PaitenceMenu [Java Application] C:\Program Files\Java\jdk1.8.0_05\bin\javaw.exe (Sep 7, 2021, 9:34:16 AM)

```
Enter Above Mention Option:
 1. Create Account
 2. Login
 3. Admin
 4. AdminLogin
 5. Logout
 2
Enter Email
thakrethorvi@gmail.com
Enter Password
12345
----------------------------------------------------------------------------------
 | thorvi | 9607516159 |  | thakrethorvi@gmail.com | |nandavan|nagpur|mh|440021|7-9-2021|12345
----------------------------------------------------------------------------------
Enter Above Mention Option:
1. Forget password
2. Change password
3. Update details
4. Logout
```
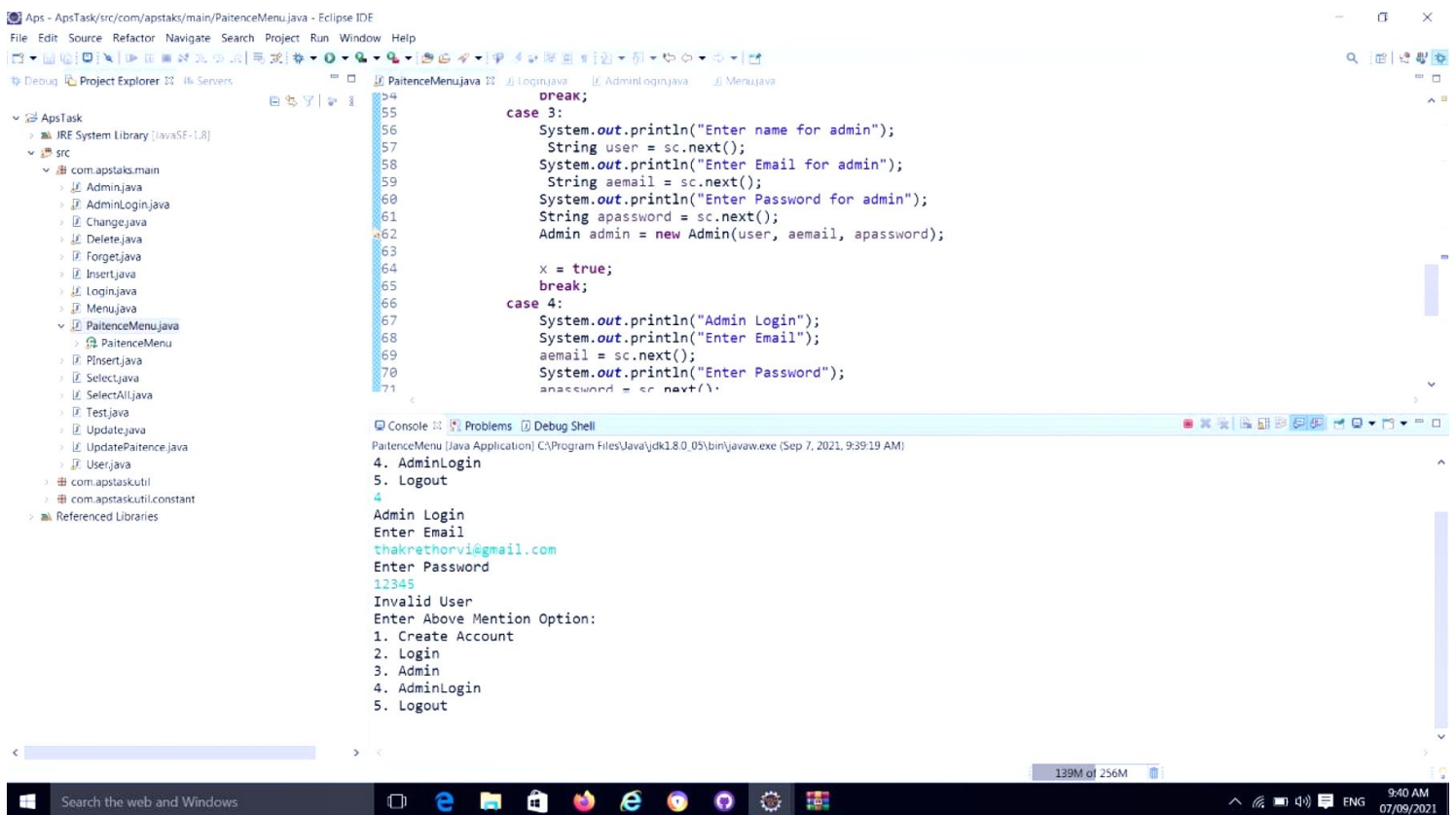
File Edit Source Refactor Navigate Search Project Run Window Help

Debug Project Explorer Servers

PaitenceMenu.java Login.java AdminLogin.java Menu.java

```
> ApsTask
  > JRE System Library [JavaSE-1.8]
  > src
    > com.apstaks.main
      > Admin.java
      > AdminLogin.java
      > Change.java
      > Delete.java
      > Forget.java
      > Insert.java
      > Login.java
      > Menu.java
      > PaitenceMenu.java
        > PaitenceMenu
      > PInsert.java
      > Select.java
      > SelectAll.java
      > Test.java
      > Update.java
      > UpdatePaitence.java
      > User.java
    > com.apstask.util
    > com.apstask.util.constant
  > Referenced Libraries
```

```java
54              break;
55          case 3:
56              System.out.println("Enter name for admin");
57               String user = sc.next();
58              System.out.println("Enter Email for admin");
59               String aemail = sc.next();
60              System.out.println("Enter Password for admin");
61              String apassword = sc.next();
62              Admin admin = new Admin(user, aemail, apassword);
63
64              x = true;
65              break;
66          case 4:
67              System.out.println("Admin Login");
68              System.out.println("Enter Email");
69              aemail = sc.next();
70              System.out.println("Enter Password");
71              apassword = sc.next();
```

Console Problems Debug Shell

PaitenceMenu [Java Application] C:\Program Files\Java\jdk1.8.0_05\bin\javaw.exe (Sep 7, 2021, 9:39:19 AM)

```
4. AdminLogin
5. Logout
4
Admin Login
Enter Email
thakrethorvi@gmail.com
Enter Password
12345
Invalid User
Enter Above Mention Option:
1. Create Account
2. Login
3. Admin
4. AdminLogin
5. Logout
```

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Search the web and Windows

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Task 4

```java
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.SQLException;

import com.hello_Doctor.Model.Contactmodel;
import com.hello_Doctor.constant.Constant;
import com.hello_Doctor.util.DbConnection;

public class ContactUs {

    static Connection con = null;
    static String sql = null;
    static PreparedStatement pst;

    // method to save contact us //
    public static int saveContactUs(Contactmodel contact) {
        int status = 0;
        System.out.println("inside SaveContactUs  block");
        try {
```

```java
                System.out.println("inside SaveContactUs try
block");

                con = DbConnection.GetConnection();
                sql = Constant.INSERT_CONTACTUS;
                pst = con.prepareStatement(sql);
                pst.setString(1, contact.getContact_firstname());
                pst.setString(2, contact.getContact_lastname());
                pst.setString(3, contact.getContact_email());
                pst.setLong(4, contact.getContact_mobile());
                pst.setString(5, contact.getContact_message());
                status = pst.executeUpdate();
            } catch (Exception e) {
                System.out.println("inside SaveContactUs catch
blog");

                e.printStackTrace();
                System.err.println(e);
            } finally {
                try {
                    System.out.println("inside SaveContactUs
finally try blog");

                    con.close();
                } catch (SQLException e) {
                    System.out.println("inside SaveContactUs
finally catch blog");

                    e.printStackTrace();
                    System.err.println(e);
                }
            }
            return status;
    }

}

Servlet


import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import com.hello_Doctor.Model.Contactmodel;
import com.hello_Doctor.service.ContactUs;

@WebServlet("/Contact")
```

```java
public class Contact extends HttpServlet {
    private static final long serialVersionUID = 1L;


    protected void doPost(HttpServletRequest request,
HttpServletResponse response) throws ServletException, IOException {
        System.out.println("inside do contact post");
        PrintWriter out = response.getWriter();
    // call data from web page to post


                String contact_firstname  =
request.getParameter("fname");
                String contact_lastname  =
request.getParameter("lname");
                String contact_email    =
request.getParameter("email");
                Long contact_mobile    =
Long.parseLong(request.getParameter("mobile"));
                String contact_message   =
request.getParameter("message");
                // view record from web in console
                System.out.println("contact first name "+
contact_firstname);
                System.out.println("contact last name "+
contact_lastname);
                System.out.println("contact email "+
contact_email);
                System.out.println("contact mobile "+
contact_mobile);
                System.out.println("Message "+ contact_message);

                // object intalize
                Contactmodel contact = null;

                try {
                    System.out.println("inside contact post try
object block");

                    contact = new  Contactmodel();

contact.setContact_firstname(contact_firstname);

contact.setContact_lastname(contact_lastname);
                    contact.setContact_email(contact_email);
                    contact.setContact_mobile(contact_mobile);
                    contact.setContact_message(contact_message);

                }catch (Exception e) {
```

```java
                    System.out.println("inside contact post catch
object block");
                    e.printStackTrace();
                    System.err.println(e);
            }
              try {
                    System.out.println("inside contact post try
save block");
                    int status =
ContactUs.saveContactUs(contact);
                    if(status>0)
                    {
                            System.out.println("inside contact post
if save block");

request.getRequestDispatcher("Menu.jsp").include(request, response);

                    }else {
                            System.out.println("inside contact post
else save block");

request.getRequestDispatcher("Error.jsp").include(request,
response);
                    }

            }catch (Exception e) {
                    System.out.println("inside contact post catch
save block");

                        e.printStackTrace();
                        System.err.println(e);
            }




    }

}
```