OBJECT ORIENTED PROGRAMMING 1(JAVA)

COURSE TEACHER: **MD. ISMAIL HOSSEN**

SEC: **T**

PROJECT

PROJECT TITLE: **DOCTOR'S POINT**

SEMESTER: **5th**

SUBMITTED BY:

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Patient Class:

```java
package FinalProject;


import java.io.File;

import java.util.Scanner;


public class Patient {

    private String Name;

    private String MailID;

    private String gender;

    private String Diseases;

    private String BloodGroup;

    private int age;

    private int P_num;


    Scanner sc = new Scanner(System.in);


    public void setName(String name) {

        this.Name = name;

    } public String getName() {

        return this.Name;

    }

    public void setMailID(String MailID) {

        this.MailID = MailID;

    } public String getMailID() {
```

```java
            return this.MailID;

}

public void setgender(String gender) {

        this.gender = gender;

} public String getgender() {

                        return this.gender;

}

public void setDiseases(String Diseases) {

        this.Diseases=Diseases;

 } public String getDiseases() {

                        return this.Diseases;

 }

 public void setBloodGroup(String BloodGroup) {

        this.BloodGroup=BloodGroup;

 } public String getBloodGroup() {

                        return this.BloodGroup;

 }

public void setage(int age) {

    this.age=age;

} public int getage() {

        return this.age;

}

public void setP_num(int Pnum) {

        this.P_num=Pnum;

} public int getP_num() {
```

```java
        return this.P_num;

 }

public void displayLoginPatient() {


        Scanner sc = new Scanner(System.in);

      Scanner sc1 = new Scanner(System.in);


        System.out.print("Enter your Name     : ");

        setName(sc.next());


        System.out.print("Enter your Mail Address : ");

        setMailID(sc1.next());


        System.out.print("Enter your gender (Male/Female) : ");

        setgender(sc.next());


                System.out.print("Enter your Type of Sickness : ");

                setDiseases(sc.next());


                System.out.print("Enter your Blood Group : ");

                setBloodGroup(sc1.next());


                System.out.print("Enter your Age        : ");

                setage(sc.nextInt());
```

```java
            System.out.print("Enter your Phone Number  : ");

            setP_num(sc.nextInt());



    System.out.println("\nThank you, Welcome to doctor's point!");

 }

public void PatientInfoDrA() {

     try {

      File myObj = new File("Dr.A.txt");

     Scanner myReader = new Scanner(myObj);

     while (myReader.hasNextLine()) {

     String s=myReader.nextLine();

     String Name=myReader.nextLine();

     System.out.println("\nName: "+Name);

     String MailID=myReader.nextLine();

     System.out.println("Mail id: "+MailID);

     String gender=myReader.nextLine();

     System.out.println("Gender: "+gender);

     String Diseases=myReader.nextLine();

     System.out.println("Sickness:" +Diseases);

     String BloodGroup=myReader.nextLine();

     System.out.println("BloodGroup: "+BloodGroup);

     int age=myReader.nextInt();

     System.out.println("Age:" +age);

     int P_num=myReader.nextInt();

     System.out.println("Phone Number: "+P_num);
```

```java
        }

        myReader.close();

        }catch (Exception e) {

        System.out.println("\nNo Patient" +e);

        }

    }

public void PatientInfoDrB() {

        try {

        File myObj = new File("Dr.B.txt");

        Scanner myReader = new Scanner(myObj);

        while (myReader.hasNextLine()) {

        String s=myReader.nextLine();

        String Name=myReader.nextLine();

        System.out.println("\nName: "+Name);

        String MailID=myReader.nextLine();

        System.out.println("Mail id: "+MailID);

        String gender=myReader.nextLine();

        System.out.println("Gender: "+gender);

        String Diseases=myReader.nextLine();

        System.out.println("Sickness:" +Diseases);

        String BloodGroup=myReader.nextLine();

        System.out.println("BloodGroup: "+BloodGroup);

        int age=myReader.nextInt();

        System.out.println("Age:" +age);

        int P_num=myReader.nextInt();
```

```java
        System.out.println("Phone Number: "+P_num);

        }

        myReader.close();

        } catch (Exception e) {

        System.out.println("\nNo Patient" +e);



        }

}

public void PatientInfoDrC() {

        try {

        File myObj = new File("Dr.C.txt");

        Scanner myReader = new Scanner(myObj);

        while (myReader.hasNextLine()) {

        String s=myReader.nextLine();

        String Name=myReader.nextLine();

        System.out.println("\nName: "+Name);

        String MailID=myReader.nextLine();

        System.out.println("Mail id: "+MailID);

        String gender=myReader.nextLine();

        System.out.println("Gender: "+gender);

        String Diseases=myReader.nextLine();

        System.out.println("Sickness:" +Diseases);

        String BloodGroup=myReader.nextLine();

        System.out.println("BloodGroup: "+BloodGroup);

        int age=myReader.nextInt();
```

```java
System.out.println("Age:" +age);

int P_num=myReader.nextInt();

System.out.println("Phone Number: "+P_num);

  }

 myReader.close();

 } catch (Exception e) {

 System.out.println("\nNo Patient" +e);



}

}


    public void PatientInfoDrD() {

     try {

     File myObj = new File("Dr.D.txt");

     Scanner myReader = new Scanner(myObj);

     while (myReader.hasNextLine()) {

     String s=myReader.nextLine();

     String Name=myReader.nextLine();

     System.out.println("\nName: "+Name);

     String MailID=myReader.nextLine();

     System.out.println("Mail id: "+MailID);

     String gender=myReader.nextLine();

     System.out.println("Gender: "+gender);

     String Diseases=myReader.nextLine();

     System.out.println("Sickness:" +Diseases);
```

```java
String BloodGroup=myReader.nextLine();

System.out.println("BloodGroup: "+BloodGroup);

int age=myReader.nextInt();

System.out.println("Age:" +age);

int P_num=myReader.nextInt();

System.out.println("Phone Number: "+P_num);

 }

 myReader.close();

 } catch (Exception e) {

 System.out.println("\nNo Patient" +e);



}

}


    public void PatientInfoDrE() {

     try {

     File myObj = new File("Dr.E.txt");

    Scanner myReader = new Scanner(myObj);

    while (myReader.hasNextLine()) {

    String s=myReader.nextLine();

    String Name=myReader.nextLine();

    System.out.println("\nName: "+Name);

    String MailID=myReader.nextLine();

    System.out.println("Mail id: "+MailID);

    String gender=myReader.nextLine();
```

```java
        System.out.println("Gender: "+gender);

        String Diseases=myReader.nextLine();

        System.out.println("Sickness:" +Diseases);

        String BloodGroup=myReader.nextLine();

        System.out.println("BloodGroup: "+BloodGroup);

        int age=myReader.nextInt();

        System.out.println("Age:" +age);

        int P_num=myReader.nextInt();

        System.out.println("Phone Number: "+P_num);

        }

        myReader.close();

        } catch (Exception e) {

        System.out.println("\nNo Patient" +e);

        }

}

    public void PatientInfoDrF() {

        try {

        File myObj = new File("Dr.F.txt");

        Scanner myReader = new Scanner(myObj);

        while (myReader.hasNextLine()) {

        String s=myReader.nextLine();

        String Name=myReader.nextLine();

        System.out.println("\nName: "+Name);

        String MailID=myReader.nextLine();

        System.out.println("Mail id: "+MailID);
```

```java
        String gender=myReader.nextLine();

        System.out.println("Gender: "+gender);

        String Diseases=myReader.nextLine();

        System.out.println("Sickness:" +Diseases);

        String BloodGroup=myReader.nextLine();

        System.out.println("BloodGroup: "+BloodGroup);

        int age=myReader.nextInt();

        System.out.println("Age:" +age);

        int P_num=myReader.nextInt();

        System.out.println("Phone Number: "+P_num);

         }

         myReader.close();

         } catch (Exception e) {

        System.out.println("\nNo Patient" +e);

         }

}

    public void PatientInfoDrG() {

      try {

      File myObj = new File("Dr.G.txt");

      Scanner myReader = new Scanner(myObj);

      while (myReader.hasNextLine()) {

      String s=myReader.nextLine();

      String Name=myReader.nextLine();

      System.out.println("\nName: "+Name);

      String MailID=myReader.nextLine();
```

```java
        System.out.println("Mail id: "+MailID);

        String gender=myReader.nextLine();

        System.out.println("Gender: "+gender);

        String Diseases=myReader.nextLine();

        System.out.println("Sickness:" +Diseases);

        String BloodGroup=myReader.nextLine();

        System.out.println("BloodGroup: "+BloodGroup);

        int age=myReader.nextInt();

        System.out.println("Age:" +age);

        int P_num=myReader.nextInt();

        System.out.println("Phone Number: "+P_num);

        }

        myReader.close();

        } catch (Exception e) {

        System.out.println("\nNo Patient" +e);

        }

    }

        public void PatientInfoDrH() {

         try {

        File myObj = new File("Dr.H.txt");

        Scanner myReader = new Scanner(myObj);

        while (myReader.hasNextLine()) {

        String s=myReader.nextLine();

        String Name=myReader.nextLine();

        System.out.println("\nName: "+Name);
```

```java
        String MailID=myReader.nextLine();

        System.out.println("Mail id: "+MailID);

        String gender=myReader.nextLine();

        System.out.println("Gender: "+gender);

        String Diseases=myReader.nextLine();

        System.out.println("Sickness:" +Diseases);

        String BloodGroup=myReader.nextLine();

        System.out.println("BloodGroup: "+BloodGroup);

        int age=myReader.nextInt();

        System.out.println("Age:" +age);

        int P_num=myReader.nextInt();

        System.out.println("Phone Number: "+P_num);

         }

         myReader.close();

         } catch (Exception e) {

         System.out.println("\nNo Patient" +e);

         }

}

        public void PatientInfoDrI() {

         try {

         File myObj = new File("Dr.I.txt");

         Scanner myReader = new Scanner(myObj);

         while (myReader.hasNextLine()) {

         String s=myReader.nextLine();

         String Name=myReader.nextLine();
```

```java
System.out.println("\nName: "+Name);

String MailID=myReader.nextLine();

System.out.println("Mail id: "+MailID);

String gender=myReader.nextLine();

System.out.println("Gender: "+gender);

String Diseases=myReader.nextLine();

System.out.println("Sickness:" +Diseases);

String BloodGroup=myReader.nextLine();

System.out.println("BloodGroup: "+BloodGroup);

int age=myReader.nextInt();

System.out.println("Age:" +age);

int P_num=myReader.nextInt();

System.out.println("Phone Number: "+P_num);

 }

 myReader.close();

 } catch (Exception e) {

 System.out.println("\nNo Patient" +e);

 }

}

    public void PatientInfoDrJ() {

      try {

      File myObj = new File("Dr.J.txt");

      Scanner myReader = new Scanner(myObj);

      while (myReader.hasNextLine()) {

      String s=myReader.nextLine();
```

```java
        String Name=myReader.nextLine();

        System.out.println("\nName: "+Name);

        String MailID=myReader.nextLine();

        System.out.println("Mail id: "+MailID);

        String gender=myReader.nextLine();

        System.out.println("Gender: "+gender);

        String Diseases=myReader.nextLine();

        System.out.println("Sickness:" +Diseases);

        String BloodGroup=myReader.nextLine();

        System.out.println("BloodGroup: "+BloodGroup);

        int age=myReader.nextInt();

        System.out.println("Age:" +age);

        int P_num=myReader.nextInt();

        System.out.println("Phone Number: "+P_num);

        }

        myReader.close();

        }catch(Exception e) {

        System.out.println("\nNo Patient" +e);

        }

}

        public void PatientInfoDrK() {

        try {

        File myObj = new File("Dr.K.txt");

        Scanner myReader = new Scanner(myObj);

        while (myReader.hasNextLine()) {
```

```java
        String s=myReader.nextLine();

        String Name=myReader.nextLine();

        System.out.println("\nName: "+Name);

        String MailID=myReader.nextLine();

        System.out.println("Mail id: "+MailID);

        String gender=myReader.nextLine();

        System.out.println("Gender: "+gender);

        String Diseases=myReader.nextLine();

        System.out.println("Sickness:" +Diseases);

        String BloodGroup=myReader.nextLine();

        System.out.println("BloodGroup: "+BloodGroup);

        int age=myReader.nextInt();

        System.out.println("Age:" +age);

        int P_num=myReader.nextInt();

        System.out.println("Phone Number: "+P_num);

        }

        myReader.close();

        } catch (Exception e) {

        System.out.println("\nNo Patient" +e);

        }

    }


    public void PatientInfoDrL() {

        try {

        File myObj = new File("Dr.L.txt");
```

```java
Scanner myReader = new Scanner(myObj);

while (myReader.hasNextLine()) {

String s=myReader.nextLine();

String Name=myReader.nextLine();

System.out.println("\nName: "+Name);

String MailID=myReader.nextLine();

System.out.println("Mail id: "+MailID);

String gender=myReader.nextLine();

System.out.println("Gender: "+gender);

String Diseases=myReader.nextLine();

System.out.println("Sickness:" +Diseases);

String BloodGroup=myReader.nextLine();

System.out.println("BloodGroup: "+BloodGroup);

int age=myReader.nextInt();

System.out.println("Age:" +age);

int P_num=myReader.nextInt();

System.out.println("Phone Number: "+P_num);

  }

 myReader.close();

 } catch (Exception e) {

 System.out.println("\nNo Patient" +e);

 }

    }

}
```

Doctor Class:

```java
package FinalProject;

import java.util.Scanner;

public class Doctor{

    String Username;
    String Password;


            public void loginDoctor() {
        int x=0;
        do {
        Scanner input1 = new Scanner(System.in);
        System.out.print("\n\nEnter Username : ");
        String username = input1.next();


        Scanner input2 = new Scanner(System.in);
        System.out.print("Enter Password : ");
        String password = input2.next();
        x=1;
          if(x==1){
             Username = "Admin";
             Password = "123";


             if (username.equals(Username) && password.equals(Password)) {
           System.out.println("\nAccess Granted! Welcome!");
           break;
        }
```

```java
            else if (username.equals(Username)) {

              System.out.println("\nInvalid Password!");

              System.out.print("\n-------Enter Password again-------");


            }
             else if (password.equals(Password)) {

              System.out.println("\nInvalid Username!");

              System.out.print("\n-------Enter Username again-------");


            }
             else {

              System.out.println("\nInvalid Username & Password!");

              System.out.print("\n-------Enter Username & Password again--------");


            }
                          }


        } while(x==1);


      }



}
```

Hospital Class:

```java
package FinalProject;


public abstract class Hospital {

        public abstract void HospitalList();
```

}

Apollo Class:

```java
package FinalProject;

public class apollo extends Hospital {

        @Override
        public void HospitalList() {
                // TODO Auto-generated method stub
                System.out.println("\n1.Apollo Hospital");
        }
        public void DepartmentList1(){
                System.out.println("\n1.Neurology");
                System.out.println("2.Cardiology");
                System.out.println("3.General Surgery");
                System.out.println("4.Ear,Nose and Throat");
        }
}
```

Cresent Class:

```java
package FinalProject;

public class cresent extends Hospital{
```

```java
    @Override

    public void HospitalList() {

            // TODO Auto-generated method stub

            System.out.println("5.Cresent Hospital");

    }

    public void DepartmentList5() {

            System.out.println("\n1.Neurology");

            System.out.println("2.Cardiology");

            System.out.println("3.General Surgery");

            System.out.println("4.Ear,Nose and Throat");

    }

}
```

Kurmitola Class:

```java
package FinalProject;


public class kurmitola extends Hospital {


        @Override

        public void HospitalList() {

                // TODO Auto-generated method stub

                System.out.println("4.Kurmitola General Hospital");

        }

        public void DepartmentList4() {

                System.out.println("\n1.Neurology");

                System.out.println("2.Cardiology");
```

```java
		System.out.println("3.General Surgery");

		System.out.println("4.Ear,Nose and Throat");

	}



}
```

Square Class:

```java
package FinalProject;


public class square extends Hospital {


	@Override

	public void HospitalList() {

		// TODO Auto-generated method stub

		System.out.println("2.Square Hospital");

	}

	public void DepartmentList2() {

		System.out.println("\n1.Neurology");

		System.out.println("2.Cardiology");

		System.out.println("3.General Surgery");

		System.out.println("4.Ear,Nose and Throat");

	}
```

```
}
```

United Class:

```java
package FinalProject;


public class united extends Hospital {


        @Override

        public void HospitalList() {

                // TODO Auto-generated method stub

                System.out.println("3.United Hospital");

        }

        public void DepartmentList3(){

                System.out.println("\n1.Neurology");

                System.out.println("2.Cardiology");

                System.out.println("3.General Surgery");

                System.out.println("4.Ear,Nose and Throat");

        }


}
```

Neurology Class:

```java
package FinalProject;


public class Neurology {


    Neurology(String name, String time, String time1,int fee){
```

```
        System.out.println(" "+name+" Time:"+time+ " to "+time1+" Fees: " +fee);

    }

}
```

Cardiology Class:

```
package FinalProject;



public class Cardiology {



    Cardiology(String name, String time, String time1,int fee){

        System.out.println(" "+name+" Time:"+time+ " to "+time1+" Fees: " +fee);

    }



}
```

GeneralSurgery Class:

```
package FinalProject;



public class GeneralSurgery {

    GeneralSurgery(String name, String time, String time1,int fee){

        System.out.println(" "+name+" Time:"+time+ " to "+time1+" Fees: " +fee);

    }



}
```

EarNoseandThroat Class:

```
package FinalProject;
```

```java
public class EarNoseandThroat {

    EarNoseandThroat(String name, String time, String time1,int fee){

        System.out.println(" "+name+" Time:"+time+ " to "+time1+" Fees: " +fee);

    }


}
```

DocMain Class:

```java
package FinalProject;


import java.io.FileWriter;

import java.io.IOException;

import java.util.Scanner;


public class DocMain {


        public static void main(String[] args) {

                // TODO Auto-generated method stub

                System.out.println("\n---------Hi! This is Doctor's Point-------");

                System.out.println("\nChoose Usertype:");

                System.out.println("1.Patient");

                System.out.println("2.Doctor");

                int choice;

                System.out.print("\nEnter your choice: ");

                Scanner sc = new Scanner(System.in);

                choice = sc.nextInt();

                switch (choice) {

                case 1: {

                        showPatientInfo();
```

```java
                        break;


                }
        case 2:{

                showDoctorsDetails();

                break;

        }
        }
}
        public static void showPatientInfo() {

                System.out.println("\n---------Hospital list----------");

                Hospital apollo = new apollo();

                apollo.HospitalList();

                Hospital square = new square();

                square.HospitalList();

                Hospital united = new united();

                united.HospitalList();

                Hospital kurmitola = new kurmitola();

                kurmitola.HospitalList();

                Hospital cresent = new cresent();

                cresent.HospitalList();

                int choice = 0;

                System.out.print("\nEnter your choice: ");

                Scanner sc = new Scanner(System.in);

                choice = sc.nextInt();

                switch (choice) {

                case 1: {

                        showDepartmentList1();

        System.out.print("\nEnter your Choice: ");
```

```java
int var=sc.nextInt();

if(var==1){

System.out.print("\n[-----Doctor's List-----]");

showDoctorsList1();

System.out.print("\nChoose Doctor: ");

int var1=sc.nextInt();

if(var1==1){

    showDoctorsInfo1();

}

else if(var1==2){

    showDoctorsInfo2();

}

else{

    showDoctorsInfo3();

}

}

else if(var==2){

  System.out.print("\n[-----Doctor's List-----]");

  showDoctorsList2();

  System.out.print("\nChoose Doctor: ");

int var1=sc.nextInt();

if(var1==1){

    showDoctorsInfo4();

}

else if(var1==2){

    showDoctorsInfo5();

}

else{

    showDoctorsInfo6();
```

```java
        }
    }
    else if(var==3){
        System.out.print("\n[-----Doctor's List-----]");
        showDoctorsList3();
        System.out.print("\nChoose Doctor: ");
        int var1=sc.nextInt();
        if(var1==1){
            showDoctorsInfo7();
        }
        else if(var1==2){
            showDoctorsInfo8();
        }
        else{
            showDoctorsInfo9();
        }
    }
    else{
        System.out.print("\n[-----Doctor's List-----]");
        showDoctorsList4();
        System.out.print("\nChoose Doctor: ");
        int var1=sc.nextInt();
        if(var1==1){
            showDoctorsInfo10();
        }
        else if(var1==2){
            showDoctorsInfo11();
        }
        else{
```

```java
                showDoctorsInfo12();

}

}

                break;

        }

        case 2: {

                showDepartmentList2();

System.out.print("\nEnter your Choice: ");

int var=sc.nextInt();

if(var==1){

    System.out.print("\n[-----Doctor's List-----]");

showDoctorsList1();

System.out.print("\nChoose Doctor: ");

int var1=sc.nextInt();

if(var1==1){

    showDoctorsInfo1();

}

else if(var1==2){

    showDoctorsInfo2();

}

else{

    showDoctorsInfo3();

}

}

else if(var==2){

    System.out.print("\n[-----Doctor's List-----]");

  showDoctorsList2();

  System.out.print("\nChoose Doctor: ");

int var1=sc.nextInt();
```

```java
if(var1==1){
    showDoctorsInfo4();
}
else if(var1==2){
    showDoctorsInfo5();
}
else{
    showDoctorsInfo6();
}
}
else if(var==3){
    System.out.print("\n[-----Doctor's List-----]");
    showDoctorsList3();
    System.out.print("\nChoose Doctor: ");
int var1=sc.nextInt();
if(var1==1){
    showDoctorsInfo7();
}
else if(var1==2){
    showDoctorsInfo8();
}
else{
    showDoctorsInfo9();
}
}
else{
    System.out.print("\n[-----Doctor's List-----]");
    showDoctorsList4();
    System.out.print("\nChoose Doctor: ");
```

```java
int var1=sc.nextInt();
if(var1==1){
   showDoctorsInfo10();
}
else if(var1==2){
   showDoctorsInfo11();
}
else{
   showDoctorsInfo12();
}
}
            break;
      }
      case 3: {
            showDepartmentList3();
System.out.print("\nEnter your Choice: ");
int var=sc.nextInt();
if(var==1){
   System.out.print("\n[-----Doctor's List-----]");
showDoctorsList1();
System.out.print("\nChoose Doctor: ");
int var1=sc.nextInt();
if(var1==1){
   showDoctorsInfo1();
}
else if(var1==2){
   showDoctorsInfo2();
}
else{
```

```java
        showDoctorsInfo3();

    }

}

else if(var==2){

    System.out.print("\n[-----Doctor's List-----]");

    showDoctorsList2();

    System.out.print("\nChoose Doctor: ");

int var1=sc.nextInt();

if(var1==1){

    showDoctorsInfo4();

}

else if(var1==2){

    showDoctorsInfo5();

}

else{

    showDoctorsInfo6();

}

}

else if(var==3){

    System.out.print("\n[-----Doctor's List-----]");

    showDoctorsList3();

    System.out.print("\nChoose Doctor: ");

int var1=sc.nextInt();

if(var1==1){

    showDoctorsInfo7();

}

else if(var1==2){

    showDoctorsInfo8();

}
```

```java
            else{

                showDoctorsInfo9();

            }

        }

        else{

            System.out.print("\n[-----Doctor's List-----]");

            showDoctorsList4();

            System.out.print("\nChoose Doctor: ");

        int var1=sc.nextInt();

        if(var1==1){

            showDoctorsInfo10();

        }

        else if(var1==2){

            showDoctorsInfo11();

        }

        else{

            showDoctorsInfo12();

        }

        }

                        break;

         }

              case 4: {

                        showDepartmentLis4();

        System.out.print("\nEnter your Choice: ");

        int var=sc.nextInt();

        if(var==1){

            System.out.print("\n[-----Doctor's List-----]");

        showDoctorsList1();

        System.out.print("\nChoose Doctor: ");
```

```java
            int var1=sc.nextInt();
            if(var1==1){
               showDoctorsInfo1();
            }
            else if(var1==2){
               showDoctorsInfo2();
            }
            else{
               showDoctorsInfo3();
            }
         }
         else if(var==2){
            System.out.print("\n[-----Doctor's List-----]");
            showDoctorsList2();
            System.out.print("\nChoose Doctor: ");
            int var1=sc.nextInt();
            if(var1==1){
               showDoctorsInfo4();
            }
            else if(var1==2){
               showDoctorsInfo5();
            }
            else{
               showDoctorsInfo6();
            }
         }
         else if(var==3){
            System.out.print("\n[-----Doctor's List-----]");
            showDoctorsList3();
```

```java
    System.out.print("\nChoose Doctor: ");

int var1=sc.nextInt();

if(var1==1){

   showDoctorsInfo7();

}

else if(var1==2){

   showDoctorsInfo8();

}

else{

   showDoctorsInfo9();

}

}

else{

   System.out.print("\n[-----Doctor's List-----]");

   showDoctorsList4();

   System.out.print("\nChoose Doctor: ");

int var1=sc.nextInt();

if(var1==1){

   showDoctorsInfo10();

}

else if(var1==2){

   showDoctorsInfo11();

}

else{

   showDoctorsInfo12();

}

}

            break;

      }
```

```java
        case 5: {

                showDepartmentList5();

System.out.print("\nEnter your Choice: ");

int var=sc.nextInt();

if(var==1){

   System.out.print("\n[-----Doctor's List-----]");

showDoctorsList1();

System.out.print("\nChoose Doctor: ");

int var1=sc.nextInt();

if(var1==1){

   showDoctorsInfo1();

}

else if(var1==2){

   showDoctorsInfo2();

}

else{

   showDoctorsInfo3();

}

}

else if(var==2){

   System.out.print("\n[-----Doctor's List-----]");

  showDoctorsList2();

  System.out.print("\nChoose Doctor: ");

int var1=sc.nextInt();

if(var1==1){

   showDoctorsInfo4();

}

else if(var1==2){

   showDoctorsInfo5();
```

```java
        }
        else{
            showDoctorsInfo6();
        }
    }
    else if(var==3){
        System.out.print("\n[-----Doctor's List-----]");
        showDoctorsList3();
        System.out.print("\nChoose Doctor: ");
        int var1=sc.nextInt();
        if(var1==1){
            showDoctorsInfo7();
        }
        else if(var1==2){
            showDoctorsInfo8();
        }
        else{
            showDoctorsInfo9();
        }
    }
    else{
        System.out.print("\n[-----Doctor's List-----]");
        showDoctorsList4();
        System.out.print("\nChoose Doctor: ");
        int var1=sc.nextInt();
        if(var1==1){
            showDoctorsInfo10();
        }
        else if(var1==2){
```

```java
                        showDoctorsInfo11();
                }
                else{
                   showDoctorsInfo12();
                }
            }

                        break;
                }
            }
        }
    private static void showDepartmentList1(){
                    System.out.println("\n[----------Welcome to Apollo Hospital-----------]");
                    System.out.println("\n[*****Choose a Department to take an Appointment of
Doctors*******]");
                    apollo a= new apollo();
                    a.DepartmentList1();
                }
    public static void showDoctorsList1(){
            Neurology n = new Neurology("\n1.Dr.A","10 am","2 pm",700);
            Neurology n1= new Neurology("2.Dr.B","2 pm","6 pm",1000);
            Neurology n2= new Neurology("3.Dr.C","6 pm","10 pm",800);
    }
    public static void showDoctorsInfo1(){
            Patient p=new Patient();
            p.displayLoginPatient();
            try {
             FileWriter myWriter = new FileWriter("Dr.A.txt");
             myWriter.write("\n"+p.getName());
             myWriter.write("\n"+p.getMailID());
```

```java
            myWriter.write("\n"+p.getgender());

            myWriter.write("\n"+p.getDiseases());

            myWriter.write("\n"+p.getBloodGroup());

            myWriter.write("\n"+p.getage());

            myWriter.write("\n"+p.getP_num());

            myWriter.close();

           System.out.println("Successfully wrote to the file.");

          } catch (IOException e) {

           System.out.println("An error occurred.");

           e.printStackTrace();

          }

       }

            private static void showDepartmentList2() {

                    System.out.println("\n[----------Welcome to Square Hospital---------]");

                    System.out.println("\n[*****Choose a Department to take an Appointment of
Doctors*******]");

                    square s = new square();

                    s.DepartmentList2();

       }

          public static void showDoctorsList2(){

          Cardiology c = new Cardiology("\n1.Dr.D","8 am","10 pm",1500);

          Cardiology c1= new Cardiology("2.Dr.E","10 am","2 pm",900);

          Cardiology c2= new Cardiology("3.Dr.F","4 am","8 pm",1200);

       }

       public static void showDoctorsInfo2(){

          Patient p=new Patient();

          p.displayLoginPatient();

          try {

           FileWriter myWriter = new FileWriter("Dr.B.txt");
```

```java
            myWriter.write("\n"+p.getName());

            myWriter.write("\n"+p.getMailID());

            myWriter.write("\n"+p.getgender());

            myWriter.write("\n"+p.getDiseases());

            myWriter.write("\n"+p.getBloodGroup());

            myWriter.write("\n"+p.getage());

            myWriter.write("\n"+p.getP_num());

            myWriter.close();

            System.out.println("Successfully wrote to the file.");

            } catch (IOException e) {

            System.out.println("An error occurred.");

            e.printStackTrace();

            }

              }
        private static void showDepartmentList3() {

                        System.out.println("\n[----------Welcome to United Hospital---------]");

                        System.out.println("\n[*****Choose a Department to take an Appointment of
Doctors*******]");

                        united u = new united();

                        u.DepartmentList3();

                }
            public static void showDoctorsList3(){

            GeneralSurgery g = new GeneralSurgery("\n1.Dr.G","10 am","3 pm",800);

            GeneralSurgery g1= new GeneralSurgery("2.Dr.H","4 am","7 pm",700);

            GeneralSurgery g2= new GeneralSurgery("3.Dr.I","7 am","11 pm",1000);

        }
        public static void showDoctorsInfo3(){

            Patient p=new Patient();

            p.displayLoginPatient();
```

```java
            try {
             FileWriter myWriter = new FileWriter("Dr.C.txt");
             myWriter.write("\n"+p.getName());
             myWriter.write("\n"+p.getMailID());
             myWriter.write("\n"+p.getgender());
             myWriter.write("\n"+p.getDiseases());
             myWriter.write("\n"+p.getBloodGroup());
             myWriter.write("\n"+p.getage());
             myWriter.write("\n"+p.getP_num());
             myWriter.close();
             System.out.println("Successfully wrote to the file.");
            } catch (IOException e) {
             System.out.println("An error occurred.");
             e.printStackTrace();
            }
               }
        private static void showDepartmentLis4() {
                         System.out.println("\n[---------Welcome to Kurmitola general Hospital-------]");
                         System.out.println("\n[*****Choose a Department to take an Appointment of
Doctors*******]");
             kurmitola k = new kurmitola();
             k.DepartmentList4();
               }
           public static void showDoctorsList4(){
           EarNoseandThroat e = new EarNoseandThroat("\n1.Dr.J","9 am","1 pm",500);
           EarNoseandThroat e1= new EarNoseandThroat("2.Dr.K","3 am","6 pm",800);
           EarNoseandThroat e2= new EarNoseandThroat("3.Dr.L","7 am","9 pm",600);
        }
           public static void showDoctorsInfo4(){
```

```java
        Patient p=new Patient();

        p.displayLoginPatient();

        try {

         FileWriter myWriter = new FileWriter("Dr.D.txt");

         myWriter.write("\n"+p.getName());

         myWriter.write("\n"+p.getMailID());

         myWriter.write("\n"+p.getgender());

         myWriter.write("\n"+p.getDiseases());

         myWriter.write("\n"+p.getBloodGroup());

         myWriter.write("\n"+p.getage());

         myWriter.write("\n"+p.getP_num());

         myWriter.close();

         System.out.println("Successfully wrote to the file.");

        } catch (IOException e) {

         System.out.println("An error occurred.");

         e.printStackTrace();

        }

            }
       private static void showDepartmentList5() {

                    System.out.println("\n[----------Welcome to Cresent Hospital-----------]");

                    System.out.println("\n[*****Choose a Department to take an Appointment of
Doctors*******]");

                    cresent c = new cresent();

                    c.DepartmentList5();

            }
        public static void showDoctorsInfo5(){

        Patient p=new Patient();

        p.displayLoginPatient();

        try {
```

```java
FileWriter myWriter = new FileWriter("Dr.E.txt");

myWriter.write("\n"+p.getName());

myWriter.write("\n"+p.getMailID());

myWriter.write("\n"+p.getgender());

myWriter.write("\n"+p.getDiseases());

myWriter.write("\n"+p.getBloodGroup());

myWriter.write("\n"+p.getage());

myWriter.write("\n"+p.getP_num());

myWriter.close();

System.out.println("Successfully wrote to the file.");

} catch (IOException e) {

System.out.println("An error occurred.");

e.printStackTrace();

}

    }

public static void showDoctorsInfo6(){

Patient p=new Patient();

p.displayLoginPatient();

try {

FileWriter myWriter = new FileWriter("Dr.F.txt");

myWriter.write("\n"+p.getName());

myWriter.write("\n"+p.getMailID());

myWriter.write("\n"+p.getgender());

myWriter.write("\n"+p.getDiseases());

myWriter.write("\n"+p.getBloodGroup());

myWriter.write("\n"+p.getage());

myWriter.write("\n"+p.getP_num());

myWriter.close();

System.out.println("Successfully wrote to the file.");
```

```java
} catch (IOException e) {
 System.out.println("An error occurred.");
 e.printStackTrace();
 }
    }
public static void showDoctorsInfo7(){
Patient p=new Patient();
p.displayLoginPatient();
try {
 FileWriter myWriter = new FileWriter("Dr.G.txt");
 myWriter.write("\n"+p.getName());
 myWriter.write("\n"+p.getMailID());
 myWriter.write("\n"+p.getgender());
 myWriter.write("\n"+p.getDiseases());
 myWriter.write("\n"+p.getBloodGroup());
 myWriter.write("\n"+p.getage());
 myWriter.write("\n"+p.getP_num());
 myWriter.close();
 System.out.println("Successfully wrote to the file.");
 } catch (IOException e) {
 System.out.println("An error occurred.");
 e.printStackTrace();
 }
    }
public static void showDoctorsInfo8(){
Patient p=new Patient();
p.displayLoginPatient();
try {
 FileWriter myWriter = new FileWriter("Dr.H.txt");
```

```java
    myWriter.write("\n"+p.getName());

    myWriter.write("\n"+p.getMailID());

    myWriter.write("\n"+p.getgender());

    myWriter.write("\n"+p.getDiseases());

    myWriter.write("\n"+p.getBloodGroup());

    myWriter.write("\n"+p.getage());

    myWriter.write("\n"+p.getP_num());

    myWriter.close();

    System.out.println("Successfully wrote to the file.");

    } catch (IOException e) {

    System.out.println("An error occurred.");

    e.printStackTrace();

    }

        }

    public static void showDoctorsInfo9(){

    Patient p=new Patient();

    p.displayLoginPatient();

    try {

    FileWriter myWriter = new FileWriter("Dr.I.txt");

    myWriter.write("\n"+p.getName());

    myWriter.write("\n"+p.getMailID());

    myWriter.write("\n"+p.getgender());

    myWriter.write("\n"+p.getDiseases());

    myWriter.write("\n"+p.getBloodGroup());

    myWriter.write("\n"+p.getage());

    myWriter.write("\n"+p.getP_num());

    myWriter.close();

    System.out.println("Successfully wrote to the file.");

    } catch (IOException e) {
```

```java
     System.out.println("An error occurred.");

     e.printStackTrace();

    }

       }

   public static void showDoctorsInfo10(){

   Patient p=new Patient();

   p.displayLoginPatient();

   try {

     FileWriter myWriter = new FileWriter("Dr.J.txt");

     myWriter.write("\n"+p.getName());

     myWriter.write("\n"+p.getMailID());

     myWriter.write("\n"+p.getgender());

     myWriter.write("\n"+p.getDiseases());

     myWriter.write("\n"+p.getBloodGroup());

     myWriter.write("\n"+p.getage());

     myWriter.write("\n"+p.getP_num());

     myWriter.close();

     System.out.println("Successfully wrote to the file.");

    } catch (IOException e) {

     System.out.println("An error occurred.");

     e.printStackTrace();

    }

       }

   public static void showDoctorsInfo11(){

   Patient p=new Patient();

   p.displayLoginPatient();

   try {

     FileWriter myWriter = new FileWriter("Dr.K.txt");

     myWriter.write("\n"+p.getName());
```

```java
    myWriter.write("\n"+p.getMailID());

    myWriter.write("\n"+p.getgender());

    myWriter.write("\n"+p.getDiseases());

    myWriter.write("\n"+p.getBloodGroup());

    myWriter.write("\n"+p.getage());

    myWriter.write("\n"+p.getP_num());

    myWriter.close();

    System.out.println("Successfully wrote to the file.");

    } catch (IOException e) {

    System.out.println("An error occurred.");

    e.printStackTrace();

    }

        }

    public static void showDoctorsInfo12(){

    Patient p=new Patient();

    p.displayLoginPatient();

    try {

    FileWriter myWriter = new FileWriter("Dr.L.txt");

    myWriter.write("\n"+p.getName());

    myWriter.write("\n"+p.getMailID());

    myWriter.write("\n"+p.getgender());

    myWriter.write("\n"+p.getDiseases());

    myWriter.write("\n"+p.getBloodGroup());

    myWriter.write("\n"+p.getage());

    myWriter.write("\n"+p.getP_num());

    myWriter.close();

    System.out.println("Successfully wrote to the file.");

    } catch (IOException e) {

    System.out.println("An error occurred.");
```

```java
            e.printStackTrace();

        }

    }


    public static void showDoctorsDetails() {
Patient i=new Patient();
                System.out.print("\n[-----------Please Sign in!------------]");
                Doctor obj2 = new Doctor();
                obj2.loginDoctor();
System.out.println("\n---------Hospital list----------");
                Hospital apollo = new apollo();
                apollo.HospitalList();
                Hospital square = new square();
                square.HospitalList();
                Hospital united = new united();
                united.HospitalList();
                Hospital kurmitola = new kurmitola();
                kurmitola.HospitalList();
                Hospital cresent = new cresent();
                cresent.HospitalList();
                int choice = 0;
                System.out.print("\nEnter your choice: ");
                Scanner sc = new Scanner(System.in);
                choice = sc.nextInt();
                switch (choice) {
                case 1: {
                        showDepartmentList1();
        System.out.print("Enter your Choice: ");
        int var=sc.nextInt();
```

```java
if(var==1){

System.out.print("\n[-----Doctor's List-----]");

showDoctorsList1();

System.out.print("\nChoose Your Name: ");

int var1=sc.nextInt();

System.out.print("[----------Patient Information---------]");

if(var1==1){

   i.PatientInfoDrA();

}

else if(var1==2){

   i.PatientInfoDrB();

}

else{

   i.PatientInfoDrC();

}

}

else if(var==2){

   System.out.print("\n[-----Doctor's List-----]");

  showDoctorsList2();

  System.out.print("\nChoose Your Name: ");

int var1=sc.nextInt();

System.out.print("[----------Patient Information---------]");

if(var1==1){

   i.PatientInfoDrD();

}

else if(var1==2){

   i.PatientInfoDrE();

}

else{
```

```java
        i.PatientInfoDrF();
    }
}
else if(var==3){
    System.out.print("\n[-----Doctor's List-----]");
    showDoctorsList3();
    System.out.print("\nChoose Your Name: ");
int var1=sc.nextInt();
System.out.print("[----------Patient Information---------]");
if(var1==1){
    i.PatientInfoDrG();
}
else if(var1==2){
    i.PatientInfoDrH();
}
else{
    i.PatientInfoDrI();
}
}
else{
    System.out.print("\n[-----Doctor's List-----]");
    showDoctorsList4();
    System.out.print("\nChoose Your Name: ");
int var1=sc.nextInt();
System.out.print("[----------Patient Information---------]");
if(var1==1){
    i.PatientInfoDrJ();
}
else if(var1==2){
```

```java
    i.PatientInfoDrK();
}
else{
    i.PatientInfoDrL();
}
}


                break;
        }
        case 2: {
                showDepartmentList2();
System.out.print("\nEnter your Choice: ");
 int var=sc.nextInt();
if(var==1){
    System.out.print("\n[-----Doctor's List-----]");
showDoctorsList1();
System.out.print("\nChoose Your Name: ");
int var1=sc.nextInt();
System.out.print("[----------Patient Information---------]");
if(var1==1){
    i.PatientInfoDrA();
}
else if(var1==2){
    i.PatientInfoDrB();
}
else{
    i.PatientInfoDrC();
}
}
```

```java
else if(var==2){

    System.out.print("\n[-----Doctor's List-----]");

   showDoctorsList2();

   System.out.print("\nChoose Your Name: ");

int var1=sc.nextInt();

System.out.print("[----------Patient Information---------]");

if(var1==1){

   i.PatientInfoDrD();

}

else if(var1==2){

   i.PatientInfoDrE();

}

else{

   i.PatientInfoDrF();

}

}

else if(var==3){

    System.out.print("\n[-----Doctor's List-----]");

   showDoctorsList3();

   System.out.print("\nChoose Your Name: ");

int var1=sc.nextInt();

System.out.print("[----------Patient Information---------]");

if(var1==1){

   i.PatientInfoDrG();

}

else if(var1==2){

   i.PatientInfoDrH();

}

else{
```

```java
    i.PatientInfoDrI();

}

}

else{

    System.out.print("\n[-----Doctor's List-----]");

    showDoctorsList4();

    System.out.print("\nChoose Your Name: ");

int var1=sc.nextInt();

System.out.print("[----------Patient Information---------]");

if(var1==1){

    i.PatientInfoDrJ();

}

else if(var1==2){

    i.PatientInfoDrK();

}

else{

    i.PatientInfoDrL();

}

}

                break;

        }

        case 3: {

                showDepartmentList3();

System.out.print("\nEnter your Choice: ");

 int var=sc.nextInt();

if(var==1){

    System.out.print("\n[-----Doctor's List-----]");

showDoctorsList1();

System.out.print("\nChoose Your Name: ");
```

```java
int var1=sc.nextInt();
System.out.print("[----------Patient Information---------]");
if(var1==1){
    i.PatientInfoDrA();
}
else if(var1==2){
    i.PatientInfoDrB();
}
else{
    i.PatientInfoDrC();
}
}
else if(var==2){
    System.out.print("\n[-----Doctor's List-----]");
    showDoctorsList2();
    System.out.print("\nChoose Your Name: ");
int var1=sc.nextInt();
System.out.print("[----------Patient Information---------]");
if(var1==1){
    i.PatientInfoDrD();
}
else if(var1==2){
    i.PatientInfoDrE();
}
else{
    i.PatientInfoDrF();
}
}
else if(var==3){
```

```java
    System.out.print("\n[-----Doctor's List-----]");

  showDoctorsList3();

  System.out.print("\nChoose Your Name: ");

int var1=sc.nextInt();

System.out.print("[----------Patient Information---------]");

if(var1==1){

   i.PatientInfoDrG();

}

else if(var1==2){

   i.PatientInfoDrH();

}

else{

   i.PatientInfoDrI();

}

}

else{

   System.out.print("\n[-----Doctor's List-----]");

   showDoctorsList4();

   System.out.print("\nChoose Your Name: ");

int var1=sc.nextInt();

System.out.print("[----------Patient Information---------]");

if(var1==1){

   i.PatientInfoDrJ();

}

else if(var1==2){

   i.PatientInfoDrK();

}

else{

   i.PatientInfoDrL();
```

```java
                }
        }

                        break;
        }
                case 4: {

                        showDepartmentLis4();
System.out.print("\nEnter your Choice: ");
 int var=sc.nextInt();
if(var==1){

   System.out.print("\n[-----Doctor's List-----]");
showDoctorsList1();
System.out.print("\nChoose Your Name: ");
int var1=sc.nextInt();
System.out.print("[----------Patient Information---------]");
if(var1==1){

   i.PatientInfoDrA();

}
else if(var1==2){

   i.PatientInfoDrB();

}
else{

   i.PatientInfoDrC();

}
}
else if(var==2){

   System.out.print("\n[-----Doctor's List-----]");

  showDoctorsList2();

  System.out.print("\nChoose Your Name: ");
int var1=sc.nextInt();
```

```java
System.out.print("[----------Patient Information---------]");

if(var1==1){

    i.PatientInfoDrD();

}
else if(var1==2){

    i.PatientInfoDrE();

}
else{

    i.PatientInfoDrF();

}
}
else if(var==3){

    System.out.print("\n[-----Doctor's List-----]");

    showDoctorsList3();

    System.out.print("\nChoose Your Name: ");

int var1=sc.nextInt();

System.out.print("[----------Patient Information---------]");

if(var1==1){

    i.PatientInfoDrG();

}
else if(var1==2){

    i.PatientInfoDrH();

}
else{

    i.PatientInfoDrI();

}
}
else{

    System.out.print("\n[-----Doctor's List-----]");
```

```java
   showDoctorsList4();

   System.out.print("\nChoose Your Name: ");

int var1=sc.nextInt();

System.out.print("[----------Patient Information---------]");

if(var1==1){

   i.PatientInfoDrJ();

}

else if(var1==2){

   i.PatientInfoDrK();

}

else{

   i.PatientInfoDrL();

}

}

                  break;

        }

        case 5: {

                  showDepartmentList5();

System.out.print("\nEnter your Choice: ");

 int var=sc.nextInt();

if(var==1){

   System.out.print("\n[-----Doctor's List-----]");

showDoctorsList1();

System.out.print("\nChoose Your Name: ");

int var1=sc.nextInt();

System.out.print("[----------Patient Information---------]");

if(var1==1){

   i.PatientInfoDrA();

}
```

```java
else if(var1==2){

   i.PatientInfoDrB();

}

else{

   i.PatientInfoDrC();

}

}

else if(var==2){

   System.out.print("\n[-----Doctor's List-----]");

  showDoctorsList2();

  System.out.print("\nChoose Your Name: ");

int var1=sc.nextInt();

System.out.print("[----------Patient Information---------]");

if(var1==1){

   i.PatientInfoDrD();

}

else if(var1==2){

   i.PatientInfoDrE();

}

else{

   i.PatientInfoDrF();

}

}

else if(var==3){

   System.out.print("\n[-----Doctor's List-----]");

  showDoctorsList3();

  System.out.print("\nChoose Your Name: ");

int var1=sc.nextInt();

System.out.print("[----------Patient Information---------]");
```

```java
if(var1==1){

   i.PatientInfoDrG();

}

else if(var1==2){

   i.PatientInfoDrH();

}

else{

   i.PatientInfoDrI();

}

}

else{

   System.out.print("\n[-----Doctor's List-----]");

   showDoctorsList4();

   System.out.print("\nChoose Your Name: ");

int var1=sc.nextInt();

System.out.print("[----------Patient Information---------]");

if(var1==1){

   i.PatientInfoDrJ();

}

else if(var1==2){

   i.PatientInfoDrK();

}

else{

   i.PatientInfoDrL();

}

}

                break;

      }

      }                                                                 }
```

}