//Project of Hospital Management System

**import** java.util.\*;

**class** Doctor

{

**int** Id,Rno;

String name,spe,qualf,time;

**void** New\_Doctors\_info()

{

Scanner sc=**new** Scanner(System.***in***);

System.***out***.print("Enter id:");

Id=sc.nextInt();

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

name=sc.next();

System.***out***.print("Enter Specialization:");

spe=sc.next();

System.***out***.print("Enter Timing:");

time=sc.next();

System.***out***.print("Enter Qualification:");

qualf=sc.next();

System.***out***.print("Enter Roomno:");

Rno=sc.nextInt();

}

**void** get\_doctor\_info()

{

System.***out***.println(Id + "\t" + name + " \t" + spe + " \t" + time + " \t" + qualf + " \t" + Rno);

}

}

**class** Patient

{

**int** PId,PRno,PAge;

String Pname,PGender,PDis;

**void** New\_Patient\_info()

{

Scanner sc=**new** Scanner(System.***in***);

System.***out***.print("Enter id:");

PId=sc.nextInt();

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

Pname=sc.next();

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

PAge=sc.nextInt();

System.***out***.print("Enter Gender:");

PGender=sc.next();

System.***out***.print("Enter Disease:");

PDis=sc.next();

System.***out***.print("Enter Roomno:");

PRno=sc.nextInt();

}

**void** get\_Patient\_info()

{

System.***out***.println(PId + "\t" + Pname + " \t" +PAge + " \t" + PGender + " \t" + PDis + " \t" + PRno);

}

}

**class** Lab

{

**int** cost;

String facility ;

**void** New\_Lab\_info()

{

Scanner sc=**new** Scanner(System.***in***);

System.***out***.print("Enter Facility");

facility= sc.next();

System.***out***.print("Enter Cost:");

cost=sc.nextInt();

}

**void** Show\_Lab\_info()

{

System.***out***.println(facility + "\t" + cost);

}

}

**class** Facility

{

String fac\_Name ;

**void** New\_Facility()

{

Scanner sc=**new** Scanner(System.***in***);

System.***out***.print("Enter Facility");

fac\_Name= sc.next();

}

**void** Show\_Facility()

{

System.***out***.println( fac\_Name);

}

}

**class** Staff

{

**int** sId,sAge;

String sname,sGender,stime;

**void** New\_staff\_info()

{

Scanner sc=**new** Scanner(System.***in***);

System.***out***.print("Enter id:");

sId=sc.nextInt();

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

sname=sc.next();

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

sAge=sc.nextInt();

System.***out***.print("Enter Gender:");

sGender=sc.next();

System.***out***.print("Enter time:");

stime=sc.next();

}

**void** get\_staff\_info()

{

System.***out***.println(sId + "\t" + sname + " \t" +sAge + " \t" + sGender + " \t" + stime);

}

}

**public** **class** Hosp\_Mangment

{

**public** **static** **void** main(String[] args) {

**int** j,count1=2,count2=2,count3=2,count4=2,count5=2;

**int** i;

Doctor[] d = **new** Doctor[25];

**for** (i = 0; i < 25; i++)

d[i] = **new** Doctor();

Patient[] p=**new** Patient[100];

**for** (i = 0; i < 100; i++)

p[i] = **new** Patient();

Lab[] l=**new** Lab[100];

**for** (i = 0; i < 100; i++)

l[i] = **new** Lab();

Facility[] f=**new** Facility[100];

**for** (i = 0; i < 100; i++)

f[i] = **new** Facility();

Staff[] s=**new** Staff[100];

**for** (i = 0; i < 100; i++)

s[i] = **new** Staff();

d[0].Id = 1;

d[0].name = "Dr.Deshmukh";

d[0].spe="ENT";

d[0].time= "10 am to 4 pm";

d[0].qualf = "MBBS";

d[0].Rno= 10;

d[1].Id = 2;

d[1].name = "Dr.Joshi";

d[1].spe="Physician";

d[1].time= "10 am to 3 pm";

d[1].qualf = "MBBS,MD";

d[1].Rno= 05;

p[0].PId = 01;

p[0].Pname = "PQR";

p[0].PAge=40;

p[0].PGender= "Male";

p[0].PDis="TB";

p[0].PRno= 01;

p[1].PId = 01;

p[1].Pname = "ABC";

p[1].PAge=35;

p[1].PGender= "Female";

p[1].PDis="Cancer";

p[1].PRno= 03;

l[0].facility="x-ray";

l[0].cost=400;

l[1].facility="CT scan";

l[1].cost=1000;

f[0].fac\_Name="Ambulance";

f[1].fac\_Name="Admit Facility";

s[0].sId = 101;

s[0].sname = "Raj";

s[0].sAge=27;

s[0].sGender= "Male";

s[0].stime="9pm to 6am";

s[1].sId = 102;

s[1].sname = "Amisha";

s[1].sAge=25;

s[1].sGender= "Female";

s[1].stime="10am to 5pm";

**int** ch,S=1,S1,S2,S3,S4,S5;

Scanner sc=**new** Scanner(System.***in***);

**while**(S==1)

{

System.***out***.println("--------------------------\*WELCOME\*-----------------------------");

System.***out***.println("-------------------------<<<MENU>>>-----------------------------");

System.***out***.println(" ");

System.***out***.println("1.Doctos 2. Patients 3.Laboratories 4. Facilities 5. Staff ");

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

System.***out***.println("Enter your choise");

ch=sc.nextInt();

**switch**(ch)

{

**case** 1:

{

System.***out***.println("................................................................");

System.***out***.println(" \*\*DOCTOR SECTION\*\* ");

System.***out***.println("................................................................");

S1=1;

**while**(S1==1)

{

System.***out***.println("1.Add New Entry");

System.***out***.println("2.Existing Doctor list");

System.***out***.println("enter ur choise");

**int** ch1=sc.nextInt();

**switch**(ch1)

{

**case** 1:

{

d[count1].New\_Doctors\_info();

count1++;

System.***out***.println("Id \t Name \t Specialist \t Timing \t Qualification \t RoomNo");

**for** (j = 0; j < count1; j++)

{

d[j].get\_doctor\_info();

}

**break**;

}

**case** 2:

{

System.***out***.println(".......................................................................");

System.***out***.println("Id \t Name \t Specialist \t Timing \t Qualification \t RoomNo");

**for** (j = 0; j < count1; j++)

{

d[j].get\_doctor\_info();

}

**break**;

}

}

System.***out***.println("\nReturn to Back Press 1 and for Main Menu Press 0");

S1 = sc.nextInt();

}

**break**;

}

**case** 2:

{

System.***out***.println("................................................................");

System.***out***.println(" \*\*PATIENT SECTION\*\* ");

System.***out***.println("................................................................");

S2=1;

**while**(S2==1)

{

System.***out***.println("1.Add New Entry");

System.***out***.println("2.Existing Patient list");

System.***out***.println("enter ur choise");

**int** ch1=sc.nextInt();

**switch**(ch1)

{

**case** 1:

{

p[count2].New\_Patient\_info();

count2++;

System.***out***.println(".......................................................................");

System.***out***.println("Id \t Name \t Age \t Gender \t Disease \t RoomNo");

**for** (j = 0; j < count2; j++)

{

p[j].get\_Patient\_info();

}

**break**;

}

**case** 2:

{

System.***out***.println(".......................................................................");

System.***out***.println("Id \t Name \t Age \t Gender \t Disease \t RoomNo");

**for** (j = 0; j < count2; j++)

{

p[j].get\_Patient\_info();

}

**break**;

}

}

System.***out***.println("\nReturn to Back Press 1 and for Main Menu Press 0");

S2 = sc.nextInt();

}

**break**;

}

**case** 3:

{

System.***out***.println("................................................................");

System.***out***.println(" \*\*LAB SECTION\*\* ");

System.***out***.println("................................................................");

S3=1;

**while**(S3==1)

{

System.***out***.println("1.Add New Entry");

System.***out***.println("2.Existing Laboratories list");

System.***out***.println("enter ur choise");

**int** ch1=sc.nextInt();

**switch**(ch1)

{

**case** 1:

{

l[count3].New\_Lab\_info();

count3++;

System.***out***.println(".......................................................................");

System.***out***.println("facility \t cost");

**for** (j = 0; j < count3; j++)

{

l[j].Show\_Lab\_info();

}

**break**;

}

**case** 2:

{

System.***out***.println(".......................................................................");

System.***out***.println("facility \t cost");

**for** (j = 0; j < count3; j++)

{

l[j].Show\_Lab\_info();

}

**break**;

}

}

System.***out***.println("\nReturn to Back Press 1 and for Main Menu Press 0");

S3 = sc.nextInt();

}

**break**;

}

**case** 4:

{

System.***out***.println("................................................................");

System.***out***.println(" \*\*FACILITY SECTION\*\* ");

System.***out***.println("................................................................");

S4=1;

**while**(S4==1)

{

System.***out***.println("1.Add New Entry");

System.***out***.println("2.Existing facility list");

System.***out***.println("enter ur choise");

**int** ch1=sc.nextInt();

**switch**(ch1)

{

**case** 1:

{

f[count4].New\_Facility();

count4++;

System.***out***.println(".......................................................................");

System.***out***.println("fac\_name");

**for** (j = 0; j < count4; j++)

{

f[j].Show\_Facility();

}

**break**;

}

**case** 2:

{

System.***out***.println(".......................................................................");

System.***out***.println("fac\_name");

**for** (j = 0; j < count4; j++)

{

f[j].Show\_Facility();

}

**break**;

}

}

System.***out***.println("\nReturn to Back Press 1 and for Main Menu Press 0");

S4 = sc.nextInt();

}

**break**;

}

**case** 5:

{

System.***out***.println("................................................................");

System.***out***.println(" \*\*STAFF SECTION\*\* ");

System.***out***.println("................................................................");

S5=1;

**while**(S5==1)

{

System.***out***.println("1.Add New Entry");

System.***out***.println("2.Existing Staff list");

System.***out***.println("enter ur choise");

**int** ch1=sc.nextInt();

**switch**(ch1)

{

**case** 1:

{

s[count5].New\_staff\_info();

count5++;

System.***out***.println(".......................................................................");

System.***out***.println("sId \t sName \t sAge \t sGender \t stime");

**for** (j = 0; j < count5; j++)

{

s[j].get\_staff\_info();

}

**break**;

}

**case** 2:

{

System.***out***.println(".......................................................................");

System.***out***.println("sId \t sName \t sAge \t sGender \t stime");

**for** (j = 0; j < count5; j++)

{

s[j].get\_staff\_info();

}

**break**;

}

}

System.***out***.println("\nReturn to Back Press 1 and for Main Menu Press 0");

S5 = sc.nextInt();

}

**break**;

}

**default**:

{

System.***out***.println(" You Have Enter Wrong Choice!!");

}

}

System.***out***.println("\nReturn to MAIN MENU Press 1");

S = sc.nextInt();

}

}

}

/\*

OUTPUT

1.FOR DOCTOR:

--------------------------\*WELCOME\*-----------------------------

-------------------------<<<MENU>>>-----------------------------

1.Doctos 2. Patients 3.Laboratories 4. Facilities 5. Staff

----------------------------------------------------------------

Enter your choise

1

................................................................

\*\*DOCTOR SECTION\*\*

................................................................

1.Add New Entry

2.Existing Doctor list

enter ur choise

2

.......................................................................

Id Name Specialist Timing Qualification RoomNo

1 Dr.Deshmukh ENT 10 am to 4 pm MBBS 10

2 Dr.Joshi Physician 10 am to 3 pm MBBS,MD 5

Return to Back Press 1 and for Main Menu Press 0

1

1.Add New Entry

2.Existing Doctor list

enter ur choise

1

Enter id:05

Enter Name:Dr.Gaikwad

Enter Specialization:Dentist

Enter Timing:12to4pm

Enter Qualification:BDS

Enter Roomno:05

Id Name Specialist Timing Qualification RoomNo

1 Dr.Deshmukh ENT 10 am to 4 pm MBBS 10

2 Dr.Joshi Physician 10 am to 3 pm MBBS,MD 5

5 Dr.Gaikwad Dentist 12to4pm BDS 5

Return to Back Press 1 and for Main Menu Press 0

2.FOR PATIENT:

Return to MAIN MENU Press 1

1

--------------------------\*WELCOME\*-----------------------------

-------------------------<<<MENU>>>-----------------------------

1.Doctos 2. Patients 3.Laboratories 4. Facilities 5. Staff

----------------------------------------------------------------

Enter your choise

2

................................................................

\*\*PATIENT SECTION\*\*

................................................................

1.Add New Entry

2.Existing Patient list

enter ur choise

2

.......................................................................

Id Name Age Gender Disease RoomNo

1 PQR 40 Male TB 1

1 ABC 35 Female Cancer 3

Return to Back Press 1 and for Main Menu Press 0

1

1.Add New Entry

2.Existing Patient list

enter ur choise

1

Enter id:19

Enter Name:ASD

Enter Age:65

Enter Gender:male

Enter Disease:fever

Enter Roomno:1

.......................................................................

Id Name Age Gender Disease RoomNo

1 PQR 40 Male TB 1

1 ABC 35 Female Cancer 3

19 ASD 65 male fever 1

Return to Back Press 1 and for Main Menu Press 0

3.LAB:

--------------------------\*WELCOME\*-----------------------------

-------------------------<<<MENU>>>-----------------------------

1.Doctos 2. Patients 3.Laboratories 4. Facilities 5. Staff

----------------------------------------------------------------

Enter your choise

3

................................................................

\*\*LAB SECTION\*\*

................................................................

1.Add New Entry

2.Existing Laboratories list

enter ur choise

2

.......................................................................

facility cost

x-ray 400

CT scan 1000

Return to Back Press 1 and for Main Menu Press 0

1

1.Add New Entry

2.Existing Laboratories list

enter ur choise

1

Enter FacilityBloodBank

Enter Cost:1200

.......................................................................

facility cost

x-ray 400

CT scan 1000

BloodBank 1200

4.FACILITY:

--------------------------\*WELCOME\*-----------------------------

-------------------------<<<MENU>>>-----------------------------

1.Doctos 2. Patients 3.Laboratories 4. Facilities 5. Staff

----------------------------------------------------------------

Enter your choise

4

................................................................

\*\*FACILITY SECTION\*\*

................................................................

1.Add New Entry

2.Existing facility list

enter ur choise

2

.......................................................................

fac\_name

Ambulance

Admit Facility

Return to Back Press 1 and for Main Menu Press 0

1

1.Add New Entry

2.Existing facility list

enter ur choise

1

Enter FacilityCanteen

.......................................................................

fac\_name

Ambulance

Admit Facility

Canteen

5.STAFF:

--------------------------\*WELCOME\*-----------------------------

-------------------------<<<MENU>>>-----------------------------

1.Doctos 2. Patients 3.Laboratories 4. Facilities 5. Staff

----------------------------------------------------------------

Enter your choise

5

................................................................

\*\*STAFF SECTION\*\*

................................................................

1.Add New Entry

2.Existing Staff list

enter ur choise

2

.......................................................................

sId sName sAge sGender stime

101 Raj 27 Male 9pm to 6am

102 Amisha 25 Female 10am to 5pm

Return to Back Press 1 and for Main Menu Press 0

1

1.Add New Entry

2.Existing Staff list

enter ur choise

1

Enter id:103

Enter Name:jay

Enter Age:30

Enter Gender:male

Enter time:10to5pm

.......................................................................

sId sName sAge sGender stime

101 Raj 27 Male 9pm to 6am

102 Amisha 25 Female 10am to 5pm

103 jay 30 male 10to5pm

Return to Back Press 1 and for Main Menu Press 0

0

Return to MAIN MENU Press 1

1

--------------------------\*WELCOME\*-----------------------------

-------------------------<<<MENU>>>-----------------------------

1.Doctos 2. Patients 3.Laboratories 4. Facilities 5. Staff

----------------------------------------------------------------

Enter your choise

6

You Have Enter Wrong Choice!!

Return to MAIN MENU Press 1

\*/