**20-ARID-753**

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**Topic: Online Hospital Management System**

**GitHub link:**

**https://github.com/aenasheikh753/ssc-asimnt-2-scode**

**Code:**

import java.util.\*;

class staff

{ String sid, sname, desg, gender;

void new\_staff()

{

Scanner input = new Scanner(System.in);

System.out.print("id:-");

sid = input.nextLine();

System.out.print("name:-");

sname = input.nextLine();

System.out.print("desigination:-");

desg = input.nextLine();

System.out.print("gender:-");

gender = input.nextLine();

}

void staff\_info()

{

System.out.println(sid + "\t" + sname +"\t" + desg +"\t"+ gender );

}}

class doctor

{

public String did, dname, specilist, appoint, doc\_qual;

void new\_doctor() {

Scanner input = new Scanner(System.in);

System.out.print("id:-");

did = input.nextLine();

System.out.print("name:-");

dname = input.nextLine();

System.out.print("specilization:-");

specilist = input.nextLine();

System.out.print("work time:-");

appoint = input.nextLine();

System.out.print("qualification:-");

doc\_qual = input.nextLine();

}

void doctor\_info()

{

System.out.println(did + "\t" + dname + " \t" + specilist + " \t" + appoint + " \t" + doc\_qual);

}}

class patient

{

String pid, pname, disease, admit\_status, doctor, gender;

void new\_patient()

{

Scanner input = new Scanner(System.in);

System.out.print("id:-");

pid = input.nextLine();

System.out.print("name:-");

pname = input.nextLine();

System.out.print("disease:-");

disease = input.nextLine();

System.out.print("admit\_status:-");

admit\_status = input.nextLine();

System.out.println("Patient Added Successfully");

this.patient\_info();

System.out.print("gender:-");

gender = input.nextLine();

}

void patient\_info()

{

System.out.println(pid + "\t" + pname + " \t" + disease +"\t" +gender+ "\t" + admit\_status);

}}

class medical

{

String med\_name, med\_comp, exp\_date;

void new\_medi()

{

Scanner input = new Scanner(System.in);

System.out.print("name:-");

med\_name = input.nextLine();

System.out.print("comp:-");

med\_comp = input.nextLine();

System.out.print("exp\_date:-");

exp\_date = input.nextLine();

}

void find\_medi()

{

System.out.println(med\_name + " \t" + med\_comp + " \t" + exp\_date);

}

}

class HospitalManagement

{

public static void main(String args[])

{

String months[] = {

"Jan",

"Feb",

"Mar",

"Apr",

"May",

"Jun",

"Jul",

"Aug",

"Sep",

"Oct",

"Nov",

"Dec"

};

Calendar calendar = Calendar.getInstance();

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

int count1 = 4, count2 = 4, count3 = 4, count4 = 4, count5 = 4, count6 = 4;

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

System.out.println(" \* Welcome to Hospital Management System Project in Java \*");

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

System.out.print("Date: " + months[calendar.get(Calendar.MONTH)] + " " + calendar.get(Calendar.DATE) + " " + calendar.get(Calendar.YEAR));

System.out.println("\t\t\t\t\t\tTime: " + calendar.get(Calendar.HOUR) + ":" + calendar.get(Calendar.MINUTE) + ":" + calendar.get(Calendar.SECOND));

doctor[] d = new doctor[25];

patient[] p = new patient[100];

medical[] m = new medical[100];

staff[] s = new staff[100];

int i;

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

d[i] = new doctor();

}

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

p[i] = new patient();

}

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

m[i] = new medical();

}

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

s[i] = new staff(); }

d[0].did = "21";

d[0].dname = "Dr.Hamza";

d[0].specilist = "ENT";

d[0].appoint = "5-11AM";

d[0].doc\_qual = "MBBS,MD";

d[1].did = "32";

d[1].dname = "Dr.Bilal";

d[1].specilist = "Physician";

d[1].appoint = "10-3AM";

d[1].doc\_qual = "MBBS,MD";

p[0].pid = "12";

p[0].pname = "Haris";

p[0].disease = "Cancer";

p[0].gender = "Male";

p[0].admit\_status = "y";

p[1].pid = "15";

p[1].pname = "Anees";

p[1].disease = "Diabetes";

p[1].gender = "Male";

p[1].admit\_status = "y";

m[0].med\_name = "Brufen";

m[0].med\_comp = "Cino pvt";

m[0].exp\_date = "9-5-16";

m[1].med\_name = "Zentel";

m[1].med\_comp = "Ace pvt";

m[1].exp\_date = "4-4-15";

m[2].med\_name = "Paracetamol";

m[2].med\_comp = "Reckitt";

m[2].exp\_date = "12-7-17";

s[0].sid = "22";

s[0].sname = "Junaid Abbasi";

s[0].desg = "Worker";

s[0].gender = "Male";

s[1].sid = "23";

s[1].sname = "Komal";

s[1].desg = "Nurse";

s[1].gender = "Female";

Scanner input = new Scanner(System.in);

int choice, j, c1, status = 1, s1 = 1, s2 = 1, s3 = 1, s4 = 1, s5 = 1, s6 = 1;

while (status == 1)

{

System.out.println("\n MAIN MENU");

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

System.out.println("1.Doctos 2. Patients 3.Medicines 4. Staff ");

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

choice = input.nextInt();

switch (choice)

{

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\n2.Existing Doctors List");

c1 = input.nextInt();

switch (c1)

{

case 1:

{

d[count1].new\_doctor();count1++;

break;

}

case 2:

{

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

System.out.println("id \t Name\tSpecilist \t Timing \t Qualification");

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

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

{

d[j].doctor\_info();

}

break;

} }

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

s1 = input.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\n2.Existing Patients List");

c1 = input.nextInt();

switch (c1)

{

case 1:

{

p[count2].new\_patient();count2++;

break;

}

case 2:

{

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

System.out.println("id \t Name \t Disease \t Gender \t Admit Status");

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

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

p[j].patient\_info();

}

break;

} }

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

s2 = input.nextInt();

}

break;

}

case 3:

{

s3 = 1;

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

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

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

while (s3 == 1)

{

System.out.println("1.Add New Entry\n2. Existing Medicines List");

c1 = input.nextInt();

switch (c1)

{

case 1:

{

m[count3].new\_medi();count3++;

break;

}

case 2:

{

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

System.out.println("Name \t Company \t Expiry Date");

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

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

m[j].find\_medi();

}

break;

} }

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

s3 = input.nextInt();

}

break;

}

case 4:

{

s6 = 1;

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

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

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

while (s6 == 1)

{

String a = "nurse", b = "receptionist", c = "security";

System.out.println("1.Add New Entry \n2.Existing Nurses List\n3.Existing Workers List \n4.Existing Security List");

c1 = input.nextInt();

switch (c1)

{

case 1:

{

s[count6].new\_staff();count6++;

break;

}

case 2:

{

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

System.out.println("id \t Name \t desg\tGender");

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

for (j = 0; j < count6; j++)

{

if (a.equals(s[j].desg)) {

s[j].staff\_info();

} }

break; }

case 3:

{

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

System.out.println("id \t Name \t Gender");

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

for (j = 0; j < count6; j++)

{

if (b.equals(s[j].desg)) {

s[j].staff\_info();

} }

break;

}

case 4:

{

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

System.out.println("id \t Name \t Gender");

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

for (j = 0; j < count6; j++)

{

if (c.equals(s[j].desg)) {

s[j].staff\_info();

} }

break;

} }

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

s6 = input.nextInt();

}

break;

}

default:

{

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

} }

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

status = input.nextInt();

} }}

