PROGRAM 2

import java.util.Scanner;

class Patient{

int p\_id, age;

String p\_name, doc;

static int size;

Patient (int n){

size = n;

}

void input(){

Scanner s = new Scanner(System.in);

System.out.println ("Enter patient id, name, age and doctor name:");

this.p\_id = s.nextInt();

this.p\_name = s.next();

this.age = s.nextInt();

this.doc = s.next();

}

public String toString(){

return this.p\_id+" "+this.p\_name+" "+this.age+" "+this.doc;

}

}

class patient1{

public static void main(String[] args) {

int x=0;

Scanner s = new Scanner(System.in);

System.out.println("Enter the number of patients:");

int size=s.nextInt();

Patient p[] = new Patient[size];

for (int i=0; i<size; i++){

p[i] = new Patient(size);

p[i].input();

}

while (x==0){

System.out.println("1:Enter patient ID");

System.out.println("2:Enter Doctor name");

System.out.println("3:Exit");

int choice = s.nextInt();

switch(choice){

case 1: System.out.println("Enter patient ID:");

int id = s.nextInt();

for (int i=0;i<size; i++){

if (p[i].p\_id==id){

System.out.println(p[i]);

break;

}

if (i==size-1){

System.out.println("Patient does not exist!");

}

}

break;

case 2:System.out.println("Enter dooctor name:");

String name = s.next();

for (int i=0;i<size; i++){

if (p[i].doc.equals(name)){

System.out.println(p[i]);

}

if (i==size){

System.out.println("Doctor does not exist!");

}

}

break;

case 3: x=1;

break;

default:System.out.println("Enter a valid choice!");

}

}

}

}

