import java.util.\*;

import java.io.\*;

class Admin

{

public static void main(String args[])

{

Scanner sc = new Scanner(System.in);

int no\_of\_students;

int no\_of\_invigilators;

int roomSetup()

{

int room\_no;

int room\_capacity;

System.out.println("ENTER ROOM NO");

room\_no=sc.nextInt();

System.out.println(" ENTER NO OF STUDENTS");

no\_of\_students=sc.nextInt();

System.out.println(" ENTER NO OF INVIGILATORS");

no\_of\_invigilators=sc.nextInt();

System.out.println("ENTER ROOM CAPACITY");

room\_capacity=sc.nextInt();

System.out.println("\n"+"\n"+"\n"

+"\n"+"\n"+"\n"

+" \t \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"+"\n"

+"\t \*\* \*\*"+"\n"

+"\t \*\* DETAILS OF ROOMS AND CAPACITY \*\*"+"\n"

+"\t \*\* \*\*"+"\n"

+"\t \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"+"\n");

System.out.println(" ROOM\_NO "+room\_no);

System.out.println(" NO\_OF\_STUDENTS "+no\_of\_students);

System.out.println(" NO\_OF\_INVIGILATORS "+no\_of\_invigilators);

System.out.println(" ROOM\_CAPACITY "+room\_capacity);

}

}}

class invigilationSetup extends Admin

{

Scanner p=new Scanner(System.in);

int invigilator()

{

int no\_of\_exam\_days;

int employee\_id;

String designation;

String name;

//int room\_allocated;

for(int i=0;i<(ad.no\_of\_invigilators);i++)

{

System.out.println(" ENTER NO OF EXAM DAYS");

no\_of\_exam\_days=p.nextInt();

System.out.println("ENTER EMPLOYEE ID");

employee\_id=p.nextInt();

System.out.println("ENTER DESIGNATION");

designation=p.next();

System.out.println(" ENTER NAME");

name=p.next();

//System.out.println(" ROOM ALLOCATED");

//room\_allocated =p.nextInt();

}

System.out.println("\n"+"\n"+"\n"

+"\n"+"\n"+"\n"

+" \t \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"+"\n"

+"\t \*\* \*\*"+"\n"

+"\t \*\* DETAILS OF INVIGILATORS \*\*"+"\n"

+"\t \*\* \*\*"+"\n"

+"\t \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"+"\n");

for(int i=0;i<no\_of\_invigilators;i++)

{

System.out.println(" NO\_OF\_EXAM\_DAYS "+no\_of\_exam\_days);

System.out.println(" EMPLOYEE\_ID "+employee\_id);

System.out.println(" DESIGNATION "+designation);

System.out.println(" NAME "+name);

//System.out.println(" ROOM ALLOCATED "+room\_allocated);

}

}

}

class studentSeatingPlan extends Admin

{

Scanner t=new Scanner(System.in);

int student()

{

int reg\_no;

String student\_name;

String student\_department;

for(int i=0;i<=(ad.no\_of\_students);i++)

{

System.out.println("ENTER REGISTERATION NO");

reg\_no\_no=t.nextInt();

System.out.println("ENTER STUDENT NAME");

student\_name=t.next();

System.out.println("ENTER STUDENT DEPARTMENT");

student\_department=t.next();

}

System.out.println("\n"+"\n"+"\n"

+"\n"+"\n"+"\n"

+" \t \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"+"\n"

+"\t \*\* \*\*"+"\n"

+"\t \*\* DETAILS OF STUDENT \*\*"+"\n"

+"\t \*\* \*\*"+"\n"

+"\t \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"+"\n");

for(int i=0;i<no\_of\_students;i++)

{

System.out.println(" REGISTERATION\_NO "+ reg\_no);

System.out.println(" STUDENT\_NAME "+ student\_name);

System.out.println("STUDENT\_DEPARTMENT"+" "+ student\_department);

}

}

}

/\* cv\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*add room data into file\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*cv\*/

class Add\_room\_data

{

public void createRoomFile()

{

ad.roomSetup();

try{

File f1=new File("file"+ad.room\_no+".txt");

if(f1.createNewFile())

{

FileWriter myWriter = new FileWriter("file"+ad.room\_no+".txt");

myWriter.write("ROOM NO :"+ad.room\_no+"\n"+"NO OF INVIGILATORS :"+ad.no\_of\_invigilators+"\n"+"NO OF STUDENT :"+ad.no\_of\_students+

"ROOM CAPACITY :"+ad.room\_capacity);

myWriter.close();

System.out.println("room details added");

}

else {

System.out.println("room details already exist");

}

}catch(Exception e){System.out.println(e);}

}

}

/\* cv\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*add student data into file\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* cv \*/

class Add\_student\_data

{

public void createStudentFile()

{

studentSeatingPlan sd =new studentSeatingPlan();

sd.student();

try{

File f1=new File("file"+sd.reg\_no+".txt");

if(f1.createNewFile())

{

FileWriter myWriter = new FileWriter("file"+sd.reg\_no+".txt");

myWriter.write("REG NO:"+sd.reg\_no+"\n"+"STUDENT NAME :"+sd.student\_name+"\n"+

"STUDENT DEPARTMENT :"+sd.student\_department);

myWriter.close();

System.out.println("student added");

}

else {

System.out.println("student\_detail already exist");

}

}catch(Exception e){System.out.println(e);}

}

}

/\* cv\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*add invigilator details into file\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* cv \*/

class Add\_invigilator\_data

{

public void createInvigilatorFile()

{

invigilationSetup is =new invigilationSetup();

is.invigilator();

try{

File f1=new File("file"+is.employee\_id+".txt");

if(f1.createNewFile())

{

FileWriter myWriter = new FileWriter("file"+is.employee\_id+".txt");

myWriter.write("no\_of\_exam\_days"+is.no\_of\_exam\_days+"\n"+"EMPLOYEE ID :"+is.employee\_id+"\n"+"DESIGNATION "+is.designation+"\n"+

"NAME OF EMPLOYEE "+is.name

);

myWriter.close();

System.out.println("invigilation added");

}

else {

System.out.println("invigilation details already exist");

}

}catch(Exception e){System.out.println(e);}

}

}

class Select

{

public static void main(String args[])

{

int i=1;

Admin ad=new Admin();

while((i>0)&&(i<3))

{

System.out.println("\n1.room details \n 2.invigilationSetup \n 3.studentSeatingPlan \n 4.Exit");

i=sc.nextInt();

switch(i)

{

case 1:

{

Add\_room\_data ar =new Add\_room\_data();

ar.createRoomFile();

break;

}

case 2:

{

Add\_invigilator\_data ai= new Add\_invigilator\_data();

ai.createInvigilatorFile();

break;

}

case 3:

{

Add\_student\_data as= new Add\_student\_data();

as.createStudentFile();

break;

}

case 4:

System.exit(0);

}

}

}

}