import java.io.\*;

public class billpayment

{

String name[],address[],nameacc[],addressacc[],passwardacc[];

int rollno[],phnno[],phnnoacc[],k,l,paymentdetails[][],accsalary[][];

billpayment()

{

k=-1;

l=-1;

name=new String [10000];

address=new String [10000];

rollno=new int [10000];

phnno=new int [100000];

paymentdetails=new int [10000][12];

nameacc=new String [1000];

addressacc=new String [1000];

phnnoacc=new int [1000];

passwardacc=new String [1000];

accsalary=new int [1000][12];

}

void addacc()throws IOException

{

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

k=k+1;

System.out.println("enter accountant name ,address,phnno,passward");

nameacc[k]=br.readLine();

addressacc[k]=br.readLine();

phnnoacc[k]=Integer.parseInt(br.readLine());

passwardacc[k]=br.readLine();

}

void delacc()throws IOException

{

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

String p,q;

int i,w=0,u=0;

System.out.println("accountant name and address");

p=br.readLine();

q=br.readLine();

for(i=0;i<=k;i++)

{

if((nameacc[i].equals(p)==true)&&(addressacc[i].equals(q)==true))

{

w=i;

u=1;

break;

}

}

if(u==1)

{

nameacc[w]="";

addressacc[w]="";

phnnoacc[w]=0;

passwardacc[w]="";

trimacc(w);

}

else

System.out.println("accountant match not found");

}

void trimacc(int x)

{

for(int j=x+1;j<=k;j++)

{

nameacc[j-1]=nameacc[j];

addressacc[j-1]=addressacc[j];

phnnoacc[j-1]=phnnoacc[j];

passwardacc[j-1]=passwardacc[j];

}

for(int ff=0;ff<12;ff++)

{

accsalary[x][ff]=0;

}

for(int kk=(x+1);kk<=k;kk++)

{

for(int dd=0;dd<12;dd++)

{

accsalary[kk-1][dd]=accsalary[kk][dd];

}

}

k=k-1;

}

void displayacc()throws IOException

{

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

System.out.println("name\taddress\tphnno\tpassward");

for(int i=0;i<=k;i++)

{

System.out.println(nameacc[i]+" "+ addressacc[i] +" "+ phnnoacc[i] +" "+passwardacc[i]);

}

System.out.println("do u want to update accountant details ptress 1 for yes and 2 for no");

int f=Integer.parseInt(br.readLine());

if(f==1)

{

String a,b,c,a1,b1,c1;

int x,y=0,x1,u=0;

System.out.println("Enter old accountant name ,address ,phnno and passward");

a=br.readLine();

b=br.readLine();

x=Integer.parseInt(br.readLine());

c=br.readLine();

System.out.println("Enter new accountant name ,address ,PHN NO and PAssward");

a1=br.readLine();

b1=br.readLine();

x1=Integer.parseInt(br.readLine());

c1=br.readLine();

for(int i=0;i<=k;i++)

{

if((nameacc[i].equals(a)==true)&&(addressacc[i].equals(b)==true)&&(passwardacc[i].equals(c)==true)&&(phnnoacc[i]==(x)))

{

y=i;

u=1;

break;

}

}

if(u==1){

nameacc[y]=a1;

addressacc[y]=b1;

phnnoacc[y]=x1;

passwardacc[y]=c1;

displayacc();

}

else

System.out.println(" accountant match not found");

}

else

if(f==2)

System.out.println("ok");

else

System.out.println("wrong choice");

}

void addcan()throws IOException

{

l=l+1;

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

System.out.println("enter name rollno address phnno for the candidates");

name[l]=br.readLine();

rollno[l]=Integer.parseInt(br.readLine());

address[l]=br.readLine();

phnno[l]=Integer.parseInt(br.readLine());

}

void displaycan()throws IOException

{

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

System.out.println("name\taddress\tphnno\trollno");

for(int i=0;i<=l;i++)

{

System.out.println(name[i]+" "+address[i]+" "+phnno[i]+" "+rollno[i]);

}

System.out.println("do u want to update accountant details ptress 1 for yes and 2 for no");

int v=Integer.parseInt(br.readLine());

if(v==1)

{

String m,n,m1,n1;

int s,s1,w=0,u=0,o,o1;

System.out.println("Enter old candidate name ,address ,ROLLNO and PHNNO");

m=br.readLine();

n=br.readLine();

o=Integer.parseInt(br.readLine());

s=Integer.parseInt(br.readLine());

System.out.println("Enter new candidate name ,address ,ROLLNO and PHNNO");

m1=br.readLine();

n1=br.readLine();

o1=Integer.parseInt(br.readLine());

s1=Integer.parseInt(br.readLine());

for(int i=0;i<=l;i++)

{

if((name[i].equals(m)==true)&&(address[i].equals(n)==true)&&(rollno[i]==o)&&(phnno[i]==s))

{

w=i;

u=1;

break;

}

}

if(u==1)

{

name[w]=m1;

address[w]=n1;

phnno[w]=s1;

rollno[w]=o1;

displaycan();

}

else

System.out.println("candidate match not found");

}

else

if(v==2)

System.out.println("ok");

else

System.out.println("wrong choice");

}

void delcan()throws IOException

{

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

System.out.println("enter the candidate roll no to remove the candedate");

int r=Integer.parseInt(br.readLine());

int z=0,u=0;

for(int i=0;i<=l;i++)

{

if(rollno[i]==r)

{

z=i;

u=1;

break;

}

}

if(u==1){

name[z]="";

address[z]="";

phnno[z]=0;

rollno[z]=0;

trimcan(z);

}

}

void trimcan(int x)

{

for(int i=x+1;i<=l;i++)

{

name[i-1]=name[i];

address[i-1]=address[i];

rollno[i-1]=rollno[i];

phnno[i-1]=phnno[i];

}

for(int ff=0;ff<12;ff++)

{

paymentdetails[x][ff]=0;

}

for(int kk=(x+1);kk<=l;kk++)

{

for(int dd=0;dd<12;dd++)

{

paymentdetails[kk-1][dd]=paymentdetails[kk][dd];

}

}

l=l-1;

}

int findacc(String x,String y)

{

for(int i=0;i<=k;i++)

{

if((nameacc[i].equals(x)==true)&&(passwardacc[i].equals(y)==true))

{

return 1;

}

}

return 0;

}

void paymentupdate(int x)throws IOException

{

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

int i,pp=-1;

for(i=0;i<=l;i++)

{

if(rollno[i]==x){

pp=i;

break;

}

}

if(pp>-1)

{

System.out.println("enter MONTH COUNT and the AMOUNT in no for the fees deposit");

int mm=Integer.parseInt(br.readLine());

int fees=Integer.parseInt(br.readLine());

paymentdetails[pp][mm-1]=fees;

System.out.println("do u want to continue deposit if yess press 1 or press any no to exit menu");

int h=Integer.parseInt(br.readLine());

if(h==1)

paymentupdate(x);

}

else

System.out.println("rollno match not found");

}

void display\_payment1()

{

int i,j;

for(i=0;i<=9999;i++)

{

for(j=0;j<=11;j++)

{

paymentdetails[i][j]=0;

}

}

}

void display\_payment()

{

int i,j,v;

for(i=0;i<=l;i++)

{

System.out.println(name[i] +" "+rollno[i]+" "+address[i]+" "+phnno[i]);

for(j=0;j<=11;j++)

{

v=paymentdetails[i][j];

if(v>0)

System.out.println("fees for "+(j+1)+" month="+v);

}

System.out.println();

}

}

void display\_salary1()

{

for(int i=0;i<1000;i++)

{

for(int j=0;j<12;j++)

{

accsalary[i][j]=0;

}

}

}

void display\_salary()

{

int vv;

for(int i=0;i<=k;i++)

{

System.out.println(nameacc[i] +" "+addressacc[i]+" "+phnnoacc[i]);

for(int j=0;j<12;j++)

{

vv=accsalary[i][j];

if(vv>0)

System.out.println("salary for "+(j+1)+" month ="+vv);

}

System.out.println();

}

}

void accsalaryupdate(int x)throws IOException

{

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

int i,qq=-1;

for(i=0;i<=k;i++)

{

if(phnnoacc[i]==x)

{

qq=i;

break;

}

}

if(qq>-1)

{

System.out.println("enter month count and the amount in no for the salary payment");

int nn=Integer.parseInt(br.readLine());

int salary=Integer.parseInt(br.readLine());

accsalary[qq][nn-1]=salary;

System.out.println("do u want to continue deposit if yess press 1 or press any no to exit menu");

int hh=Integer.parseInt(br.readLine());

if(hh==1)

accsalaryupdate(x);

}

else

System.out.println("phnno match not found");

}

public static void main(String args[])throws IOException

{

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

int acc=-1,can=-1,ab=0;

String ADN="NILANJAN",ADP="NIL1234";

billpayment ob=new billpayment();

ob.display\_payment1();

ob.display\_salary1();

System.out.println("-------------------WELCOME TO IEM-----------------");

while(ab<1)

{

int c;

System.out.println("CHOOSE UR LOGIN OPTION PRESS 1 TO LOGIN AS ADMIN .PRESS 2 TO LOGIN AS ACCOUNTANT.PRESS 3 TO LOG OUT");

c=Integer.parseInt(br.readLine());

switch(c)

{

case 1:

String s,p;

int t=0;

System.out.println("enter admin name and passward");

s=br.readLine();

p=br.readLine();

if((s.equals(ADN)==true)&&(p.equals(ADP)==true))

{

while(t<1)

{

System.out.println("press 1 to add accountant,2 to delete accountant,3 to access accountant,4 to access candidate,5 to delete candidate,6 to update accountant salary ,7 to display accountant salary,8 to exit");

int adc;

adc=Integer.parseInt(br.readLine());

switch(adc)

{

case 1:

if(acc<999)

{

acc=acc+1;

ob.addacc();

}

else

System.out.println("no vacancy for accountant");

break;

case 2:

if (acc>-1)

{

ob.delacc();

acc=acc-1;

}

else

System.out.println("no accountant to delete");

break;

case 3:

if(acc>-1)

{

ob.displayacc();

}

else

System.out.println("no accountant detsails to display");

break;

case 4:

if(can>-1)

{

ob.displaycan();

}

else

System.out.println("no candidate details to display");

break;

case 5:

if(can>-1)

{

ob.delcan();

can=can-1;

}

else

System.out.println("no candidate to delete");

break;

case 6:

if(acc>-1)

{

System.out.println("enter accountent phn no to update payment");

int gg=Integer.parseInt(br.readLine());

ob.accsalaryupdate(gg);

}

else

System.out.println("no accountant to pay salary");

break;

case 7:

ob.display\_salary();

break;

case 8:

t=1;

break;

default:

System.out.println("wrong choise");

}

}

}

else

System.out.println("admin passward match not found");

break;

case 2:

String a,b;

int e=0;

System.out.println("enter accountant name and passward");

a=br.readLine();

b=br.readLine();

int d=ob.findacc(a,b);

if(d==0)

System.out.println("accountant match not found");

else

{

while(e<1)

{

int accc;

System.out.println("press 1 to add candidate ,2 to del candedate,3 to access candedate,4 to updatew payment detail,5 to display payment detail,6 to exit");

accc=Integer.parseInt(br.readLine());

switch(accc)

{

case 1:

if(can<9999)

{

ob.addcan();

can=can+1;

}

else

System.out.println("no seats for candidates");

break;

case 2:

if(can>-1)

{

ob.delcan();

can=can-1;

}

else

System.out.println("no candidate details to delete");

break;

case 3:

if(can>-1)

ob.displaycan();

else

System.out.println("no candidate details to display");

break;

case 4:

System.out.println("enter candidate rollno to update payment");

int g=0;

g=Integer.parseInt(br.readLine());

ob.paymentupdate(g);

break;

case 5:

ob.display\_payment();

break;

case 6:

e=1;

break;

default:

System.out.println("wrong choice");

}

}

}

break;

case 3:

ab=1;

System.out.println("SEE U TOMORROW");

break;

default:

System.out.println("wrong choice");

}

}

}

}