import java.util.\*;

interface resultt{ void generate\_result();

}

class Student {

String s\_name;

int t\_score;

String t\_result;

int marr[]=new int[4];

double avg=0;

int flag=1;

Student(){} Student(String s) { s\_name=s;

}

void set\_test\_score(int t\_no,int t\_score)

{

marr[t\_no]=t\_score;

}

void set\_studname(String s)

{ s\_name=s;

}

void set\_tresult()

{ for(int j=0;j<4;j++)

{ avg+=marr[j];

}

avg=avg/4;

}

double get\_tscore()

{ set\_tresult();

return avg;

}

String get\_tresult() {

String p="pass",f="fail";

if(flag==1)

{ return p; }

else return f; }

String get\_studname() {

return s\_name; }

}

class Ug extends Student implements resultt {

Ug(){} Ug(String s) { s\_name=s;

}

public void generate\_result()

{

double q=get\_tscore();

if(q<60) {

flag=0;

}

System.out.println("name"+" "+get\_studname());

System.out.println("result"+" "+get\_tresult());

}

}

class Pg extends Student implements resultt {

Pg(){} Pg(String s)

{

s\_name=s; }

public void generate\_result()

{

double q=get\_tscore();

if(q<70)

{

flag=0;}

System.out.println("name"+" "+get\_studname());

System.out.println("result"+" "+get\_tresult());

}

}

class Tester { public static void main(String args[])

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

Ug o2=new Ug();

Pg o3=new Pg();

System.out.println("enter ug student name");

String na=sc.next();

o2.set\_studname(na);

System.out.println("enter marks of all 4 tests");

for(int i=0;i<4;i++)

{

int m=sc.nextInt(); o2.set\_test\_score(i,m);

}

o2.generate\_result();

System.out.println("enter pg student name");

String nb=sc.next();

o3.set\_studname(nb);

System.out.println("enter marks of all 4 tests");

for(int i=0;i<4;i++)

{

int m=sc.nextInt();

o3.set\_test\_score(i,m);

}

o3.generate\_result();

}

}

import java.util.\*;

interface resultt{ void generate\_result();

}

class Student {

String s\_name;

int t\_score;

String t\_result;

int marr[]=new int[4];

double avg=0;

int flag=1;

Student(){} Student(String s) { s\_name=s;

}

void set\_test\_score(int t\_no,int t\_score)

{

marr[t\_no]=t\_score;

}

void set\_studname(String s)

{ s\_name=s;

}

void set\_tresult()

{ for(int j=0;j<4;j++)

{ avg+=marr[j];

}

avg=avg/4;

}

double get\_tscore()

{ set\_tresult();

return avg;

}

String get\_tresult() {

String p="pass",f="fail";

if(flag==1)

{ return p; }

else return f; }

String get\_studname() {

return s\_name; }

}

class Ug extends Student implements resultt {

Ug(){} Ug(String s) { s\_name=s;

}

public void generate\_result()

{

double q=get\_tscore();

if(q<60) {

flag=0;

}

System.out.println("name"+" "+get\_studname());

System.out.println("result"+" "+get\_tresult());

}

}

class Pg extends Student implements resultt {

Pg(){} Pg(String s)

{

s\_name=s; }

public void generate\_result()

{

double q=get\_tscore();

if(q<70)

{

flag=0;}

System.out.println("name"+" "+get\_studname());

System.out.println("result"+" "+get\_tresult());

}

}

class Tester { public static void main(String args[])

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

Ug o2=new Ug();

Pg o3=new Pg();

System.out.println("enter ug student name");

String na=sc.next();

o2.set\_studname(na);

System.out.println("enter marks of all 4 tests");

for(int i=0;i<4;i++)

{

int m=sc.nextInt(); o2.set\_test\_score(i,m);

}

o2.generate\_result();

System.out.println("enter pg student name");

String nb=sc.next();

o3.set\_studname(nb);

System.out.println("enter marks of all 4 tests");

for(int i=0;i<4;i++)

{

int m=sc.nextInt();

o3.set\_test\_score(i,m);

}

o3.generate\_result();

}

}