#define max 500

#include<iostream.h>

#include<conio.h>

class qu

{

private:

char a[max],b[max],c[max],d[max],q[max],x;

char co;

public:

void get();

int show(int i,int no);

void dis(int i,int no);

};

void qu::get()

{

cout<<endl<<"enter the question: ";

cin>>q;

cout<<"a:";

cin>>a;

cout<<"b:";

cin>>b;

cout<<"c:";

cin>>c;

cout<<"d:";

cin>>d;

cout<<endl<<"ans for question is = ";

cout<<endl;

cin>>co;

}

int qu::show(int i,int no)

{

no=no+1;

no=no-1;

cout<<endl;

cout<<endl<<endl<<"Q "<<q<<endl<<"a:"<<a<<endl<<"b:"<<b<<endl<<"c:"<<c<<endl<<"d:"<<d<<endl<<endl;

cout<<endl<<"your ans =";

cin>>x;

if(co=='a')

{

switch(x)

{

case 'a':

{

cout<<"ans is correct";

i=i+1;

} break;

case 'b':

{

cout<<"ans is wrong";

cout<<endl<<"correct option is a" ;

} break;

case 'c':

{

cout<<"ans is wrong";

cout<<endl<<"correct option is a" ;}

break;

case 'd':

{cout<<"ans is wrong ";

cout<<endl<<"correct option is a" ; } break;

default:

{

cout<<" invalid opr";

}

}

}

if(co=='b')

{

switch(x)

{

case'a':

{

cout<<"ans is wrong";

cout<<endl<<"correct option is b" ;

} break;

case 'b':

{

cout<<"ans is right";

i=i+1;

} break;

case 'c':

{

cout<<"ans is wrong";

cout<<endl<<"correct option is b" ; } break;

case 'd':

{cout<<"ans is wrong ";

cout<<endl<<"correct option is b" ; } break;

default :

{

cout<<" invalid opr";}

}

}

if(co=='c')

{

switch(x)

{

case 'a' :

{

cout<<"ans is wrong";

cout<<endl<<"correct option is c" ;

} break;

case 'b':

{

cout<<"ans is wrong";

cout<<endl<<"correct option is c" ;

} break;

case 'c':

{

cout<<"ans is right";

i=i+1;

} break;

case 'd':

{cout<<"ans is wrong ";

cout<<endl<<"correct option is c" ; } break;

default :

{

cout<<" invalid opr";}

}

}

if(co=='d')

{

switch(x)

{

case 'a':

{

cout<<"ans is wrong";

cout<<endl<<"correct option is d" ;

} break;

case 'b':

{

cout<<"ans is wrong";

cout<<endl<<"correct option is d" ;

} break;

case 'c':

{

cout<<"ans is wrong";

cout<<endl<<"correct option is d" ;} break;

case 'd':

{cout<<"ans is right ";

i=i+1;

} break;

default :

{

cout<<" invalid opr";}

}getch();

}

return i;

getch();

}

void qu::dis(int i,int no){

float per;

per=(i\*100)/no;

cout<<endl<<"no. of correct ans is "<<i<<endl;

i=no-i;

cout<<"no. of wrong ans is \n"<<i<<endl;

cout<<"percentage is "<<per<<endl;

if(per>=90)

{

cout<<"grade : A+" ;

}

if(per>=75&&per<90)

{

cout<<"grade : A" ;

}

if(per<75&&per>=60)

{

cout<<"grade : B" ;

}

if(per<60&&per>=40)

{

cout<<"grade : C" ;

} if(per<40&&per>=35)

{

cout<<"grade : D" ;

}

if(per<35)

{

cout<<"Fail" ;

}

getch();

}

void main()

{

clrscr();

int i=0,no,nos,t;

cout<<"\t::::::::::::::::::::::::::::TEACHER::::::::::::::::::::::::::::"<<endl;

qu a,b,c,d,e,f,g,h,j,k,s;

cout<<"no of question=";

cin>>no;

switch(no)

{

case 10:

a.get();

b.get();

c.get();

d.get();

e.get();

f.get();

g.get();

h.get();

k.get();

j.get();

break;

case 9:

a.get();

b.get();

c.get();

d.get();

e.get();

f.get();

g.get();

h.get();

k.get();

break;

case 8:

a.get();

b.get();

c.get();

d.get();

e.get();

f.get();

g.get();

h.get();

break;

case 7:

a.get();

b.get();

c.get();

d.get();

e.get();

f.get();

g.get();

break;

case 6:

a.get();

b.get();

c.get();

d.get();

e.get();

f.get();

g.get();

break;

case 5:

a.get();

b.get();

c.get();

d.get();

e.get();

f.get();

break;

case 4:

a.get();

b.get();

c.get();

d.get();

e.get();

break;

case 3:

a.get();

b.get();

c.get();

break;

case 2:

a.get();

b.get();

break;

case 1:

a.get();

break;

}

clrscr();

cout<<"::::::::::::::::::STUDENT:::::::::::::::::::"<<endl;

cout<<"no. of studenyts (n)=";

cin>>nos;

for(t=1;t<=nos;t++)

{

clrscr();

switch(no)

{

case 10:

i=a.show(i,no);

i=b.show(i,no);

i=c.show(i,no);

i=d.show(i,no);

i=e.show(i,no);

i=f.show(i,no);

i=g.show(i,no);

i=h.show(i,no);

i=k.show(i,no);

i=j.show(i,no);

s.dis(i,no);

break;

case 9:

i=a.show(i,no);

i=b.show(i,no);

i=c.show(i,no);

i=d.show(i,no);

i=e.show(i,no);

i=f.show(i,no);

i=g.show(i,no);

i=h.show(i,no);

i=k.show(i,no);

s.dis(i,no);

break;

case 8:

i=a.show(i,no);

i=b.show(i,no);

i=c.show(i,no);

i=d.show(i,no);

i=e.show(i,no);

i=f.show(i,no);

i=g.show(i,no);

i=h.show(i,no);

s.dis(i,no);

break;

case 7:

i=a.show(i,no);

i=b.show(i,no);

i=c.show(i,no);

i=d.show(i,no);

i=e.show(i,no);

i=f.show(i,no);

s.dis(i,no);

break;

case 6:

i=a.show(i,no);

i=b.show(i,no);

i=c.show(i,no);

i=d.show(i,no);

i=e.show(i,no);

i=f.show(i,no);

s.dis(i,no);

break;

case 5:

i=a.show(i,no);

i=b.show(i,no);

i=c.show(i,no);

i=d.show(i,no);

i=e.show(i,no);

s.dis(i,no);

break;

case 4:

i=a.show(i,no);

i=b.show(i,no);

i=c.show(i,no);

i=d.show(i,no);

break;

case 3:

i=a.show(i,no);

i=b.show(i,no);

i=c.show(i,no);

s.dis(i,no);

break;

case 2:

i=a.show(i,no);

i=b.show(i,no);

s.dis(i,no);

break;

case 1:

i=a.show(i,no);

s.dis(i,no);

break;

}

i=0;

}

getch();

}