//SE 47 (Calculator)

#include<iostream>

using namespace std;

class calculator

{

int n1,n2;

public:

int getdata(int x,int y)

{

n1=x;

n2=y;

return 0;

}

int addition()

{

int sum;

sum=n1+n2;

cout<<"Sum="<<sum<<endl;

return 0;

}

int subtraction()

{

int sub;

sub=n1-n2;

cout<<"Subtraction="<<sub<<endl;

return 0;

}

int multiply()

{

int p;

p=n1\*n2;

cout<<"multiplication="<<p<<endl;

return 0;

}

int divide()

{

float d;

d=n1/n2;

cout<<"Division="<<d<<endl;

return 0;

}

};

int main()

{

char opr,ch;

int a,b;

calculator c;

do

{

cout<<"Enter the 1st number, the operator and the 2nd number"<<endl;

cin>>a>>opr>>b;

c.getdata(a,b);

switch(opr)

{

case '+' :c.addition();

break;

case '-' :c.subtraction();

break;

case '\*' :c.multiply();

break;

case '/' :c.divide();

break;

default :cout<<"You entered wrong operator";

}

cout<<"Do you wish to continue"<<endl<<"Enter your choice (y/n)"<<endl;

cin>>ch;

}while(ch=='y'||ch=='Y');

}

Enter the 1st number, the operator and the 2nd number

2+3

Sum=5

Do you wish to continue

Enter your choice (y/n)

y

Enter the 1st number, the operator and the 2nd number

2-5

Subtraction=-3

Do you wish to continue

Enter your choice (y/n)

y

Enter the 1st number, the operator and the 2nd number

10/3

Division=3

Do you wish to continue

Enter your choice (y/n)

y

Enter the 1st number, the operator and the 2nd number

2\*10

multiplication=20

Do you wish to continue

Enter your choice (y/n)

n