#include <iostream>

using namespace std;

int num1,num2,solution;

char symbol;

class cal{

    public:

    int num1,num2,solution;

    char symbol;

    calculator(int n1,int n2){

        num1=n1;

        num2=n2;

    }

    void addition(){

        solution=num1+num2;

        cout<<"the solution is"<<solution<<endl;

    }void subtraction(){

        solution=num1-num2;

        cout<<"the solution is"<<solution<<endl;

    }void multiplictaion(){

        solution=num1\*num2;

        cout<<"the solution is"<<solution<<endl;

    }void division(){

        solution=num1/num2;

        cout<<"the solution is"<<solution<<endl;

    }

};

int main(){

    cal c;

     cout<<"enter the num1"<<endl;

     cin>>num1;

      cout<<"enter the num2"<<endl;

      cin>>num2;

      cout<<"enter which operation should perform(a=add,s=sub,m=multiply,d=divison)"<<endl;

      cin>>symbol;

      if(symbol =="a"){

        c.addition;

      }else if (symbol=="s"){

        c.subtraction;

      }else if (symbol=="m"){

        c.multiplictaion;

      }else if (symbol=="d"){

        c.division;

      }else{

        cout<<"enter valid operation";

      }

        return 0;

}