//Ashish Waghmode

// Roll no : 2174

#include<iostream>

#include<stdlib.h>

using namespace std;

// Create a new class : calculator

class calculator

{

// private Class data members are not accessible outside class

private:

double oprand1; // first operand

double oprand2; // second operand

double result; // Result

char opr; // select operation

// public Class members functions are accessible outside/inside class

public:

void operation()

{

sos: // jump label

cout<<"\n Enter operand 1 ,operator and oprand 2 "; // display message

cin>>oprand1>>opr>>oprand2; // Read data

// Select operation

switch(opr)

{

case '+':

result=oprand1+oprand2;

break;

case '\*':

result=oprand1\*oprand2;

break;

case '-':

result=oprand1-oprand2;

break;

case '/':

if(oprand2==0)

{

cout<<"\n \a denominator can not be 0 "

"\n it will bring infinite answer "

"\n pleasecheak the second oprand \n";

goto sos;// jump to sos

}

else

{

result=oprand1/oprand2;

}

break;

default:

cout<<"\n \a please check operator ";

goto sos;

break;

}

}

void display()

{

cout<<"\n"<<oprand1<<opr<<oprand2<<"="<<result;

}

}; // end of class

// Define class member function

int main()

{

char ch;

calculator l;

do

{

l.operation();

l.display();

cout<<"\n do you want to continue y/n";

cin>>ch;

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

cout<<"\n thanks for using our service \n";

return 0;

}

/\* \*\*\*\*\*\*\*\*\*\*\* OUT PUT \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Enter operand 1 ,operator and oprand 2 3+10

3+10=13

do you want to continue y/nY

Enter operand 1 ,operator and oprand 2 8-5

8-5=3

do you want to continue y/ny

Enter operand 1 ,operator and oprand 2 9/3

9/3=3

do you want to continue y/ny

Enter operand 1 ,operator and oprand 2 3\*6

3\*6=18

do you want to continue y/nn

thanks for using our service

\*/