C++ Assignment One

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

#include <iostream>

#include <cmath>

using namespace std;

int main()

{

//Hello World

cout<<"Hello World"<<endl;

//Program to read one number and display it

int num1;

cout<<"Please enter a number :"<<endl;

cin>>num1;

cout<<"The Number is :"<<num1<<endl;

//obtain length and width, and calculate area ,perimeter and diagonal.

int a,b;

cout<<"Please enter a value of lenght :"<<endl;

cin>>a;

cout<<"Please enter a value of width :"<<endl;

cin>>b;

int sum=a+b;

float D=sqrt(pow(a,2)+pow(b,2));

cout<<"The area is :"<<a\*b<<endl<<"The Perimeter is :"<<sum\*2<<endl<<"The diagonal is :"<<D<<endl;

//Computing yearly depreciation

int X,Y,Z;

cout<<"Entr the purchase price value"<<endl;

cin>>X;

cout<<"Entr the salvage value"<<endl;

cin>>Y;

cout<<"Entr the years of service"<<endl;

cin>>Z;

cout<<"Depreciation is :"<<(X-Y)/Z<<endl;

return 0;

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Online C++ Compiler.

Code, Compile, Run and Debug C++ program online.

Write your code in this editor and press "Run" button to compile and execute it.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

#include <iostream>

#include<cmath>

using namespace std;

int main()

{

//Area of triangle

float a,b,c,s,triangle;

cout<<"Please enter side1 value is : "<<endl;

cin>>a;

cout<<"Please enter side2 value is : "<<endl;

cin>>b;

cout<<"Please enter side3 value is : "<<endl;

cin>>c;

s = (a+b+c)/2;

triangle = s\*(s-a)\*(s-b)\*(s-c);

cout<<"The Area of the triangle is : "<<triangle<<endl;

//cout<<"The area of triangle is "<<S(S-num1)(S-num2)(S-num3)<<endl;

return 0;

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Online C++ Compiler.

Code, Compile, Run and Debug C++ program online.

Write your code in this editor and press "Run" button to compile and execute it.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

#include <iostream>

#include<cmath>

using namespace std;

int main()

{

//Farenheit to celsius & celsius to farenheit

float f,c,Farenheit,Celsius;

cout<<"Please enter the farenheit : : "<<endl;

cin>>f;

cout<<"The farenheit value "<<f<<" is converted to celsius "<<Celsius<<endl;

Celsius=(f-32)\*(0.55);

cout<<"Please enter the Celsius: "<<endl;

cin>>c;

cout<<"The Celsius value "<<c<<" is converted to Farenheit "<<Farenheit<<endl;

Farenheit = (1.8)\*c+32;

return 0;

}

#include<iostream>

#include<cmath>

using namespace std;

int main()

{

//SUm of 3 digit

int number,sum=0,reminder;

cout<<"ENter a 3 digit number :"<<endl;

cin>>number;

while(number>0)

{

reminder=number%10;

number=number/10;

sum=sum+reminder;

}

cout<<"The sum of digit is "<<sum;

}

#include<iostream>

#include<cmath>

using namespace std;

int main()

{

//Inerchange two values

int a,b,\*p1=&a,\*p2=&b;

cout<<"Enter the first two values to interchange :"<<endl;

cin>>a>>b;

\*p1=\*p1+\*p2;

\*p2=\*p1-\*p2;

\*p1=\*p1-\*p2;

cout<<"The interchanged value is : "<<\*p1<<"&"<<\*p2<<endl;

return 0;

}