Object oriented programming with c++

30/08/2022

1.program about addition of two numbers using class and object

using namespace std;

#include<iostream>

class add

{

int x,y,z;

public:

void getdata();

void display();

};

void add :: getdata()

{

cout<<"enter x nad y values:";

cin>>x>>y;

}

void add :: display()

{

cout<<"sum of two numbers is:";

z=x+y;

cout<<z;

}

main()

{

add a;

a.getdata();

a.display();

}

output:enter x nad y values: 5 67

sum of two numbers is:72

--------------------------------

Process exited after 4.087 seconds with return value 0

Press any key to continue . . .

2.program about volume of the cone

//program about volume of the cone

using namespace std;

#include<iostream>

class volume

{

float r,h,v;

public:

void stokes()

{

cout<<"enter r nad h values:";

cin>>r>>h;

}

void root()

{

cout<<"volume of the cone is:";

v=0.3\*3.14\*r\*r\*h;

cout<<v;

}

};

int main()

{

volume x;

x.stokes();

x.root();

}

output:enter r nad h values:9 10

volume of the cone is:763.02

--------------------------------

Process exited after 3.83 seconds with return value 0

Press any key to continue . . .

3.program about to find the simple and compound interest

//program about simple and compound interest

using namespace std;

#include<iostream>

#include<math.h>

class interest

{

float p,s,c,n,r;

public:

void munro()

{

cout<<"enter the values of p,n and r:";

cin>>p>>n>>r;

}

void santnar()

{

cout<<"simple interest is:";

s=p\*n\*r/100;

cout<<s;

cout<<"\ncompound interest is:";

c=p\*pow((1+r/n),n);

cout<<c;

}};

main()

{

interest v;

v.munro();

v.santnar();

}

output:enter the values of p,n and r:10000 2 0.10

simple interest is:20

compound interest is:11025

--------------------------------

Process exited after 13.31 seconds with return value 0

Press any key to continue . . .