30/08/2022

1.VOLUME OF CONE USING CLASS AND OBJECT

PROGRAM:

#include<iostream>

using namespace std;

class cone

{

float r,h,v;

public:

void getdata();

void display();

};

void cone::getdata()

{

cout<<"enter r and h value";

cin>>r>>h;

}

void cone::display()

{

cout<<"volume of cone";

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

cout<<v;

}

main()

{

cone m;

m.getdata();

m.display();

}

OUTPUT:

enter r and h value13

18

volume of cone2865.56

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Process exited after 15.31 seconds with return value 0

Press any key to continue . . .

2.ADDITION OF TWO NUMBERS USING CLASS AND OBJECT

PROGRAM:

#include<iostream>

using namespace std;

class add

{

int x,y,z;

public:

void getdata();

void display();

};

void add::getdata()

{

cout<<"enter x and y value";

cin>>x>>y;

}

void add::display()

{

cout<<"sum of two numbers";

z=x+y;

cout<<z;

}

int main()

{

add a;

a.getdata();

a.display();

}

OUTPUT:

enter x and y value4

4

sum of two numbers8

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Process exited after 2.889 seconds with return value 0

Press any key to continue . . .

3.SIMPLE AND COMPOUND INTREST USING CLASS AND OBJECT

PROGRAM:

nclude<iostream>

#include<math.h>

using namespace std;

class intrest

{

int p,n,r,s,c;

public:

void getdata();

void display();

};

void intrest::getdata()

{

cout<<"enter the p,n,r value";

cin>>p>>n>>r;

}

void intrest::display()

{

cout<<"simple intrest is:";

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

cout<<s;

cout<<"compound intrest is:";

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

cout<<c;

}

main()

{

intrest m;

m.getdata();

m.display();

}

OUTPUT:

enter the p,n,r value10000

1

4

simple intrest is:400compound intrest is:50000

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Process exited after 15.05 seconds with return value 0

Press any key to continue . . .