

## **Program:-1**

```
#include<iostream>

#include<math.h>

using namespace std;

class volume
{
    float x,radius,h;

    public:

        int getdata();

        int display();

};

int volume::getdata()
{
    cout<<"enter the radius";

    cin>>radius;

    cout<<"enter the height";

    cin>>h;

return 0;

}

int volume::display()
{
    x=0.33*3.14*radius*radius*h;

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

return 0;

}

int main()
{

    volume v;

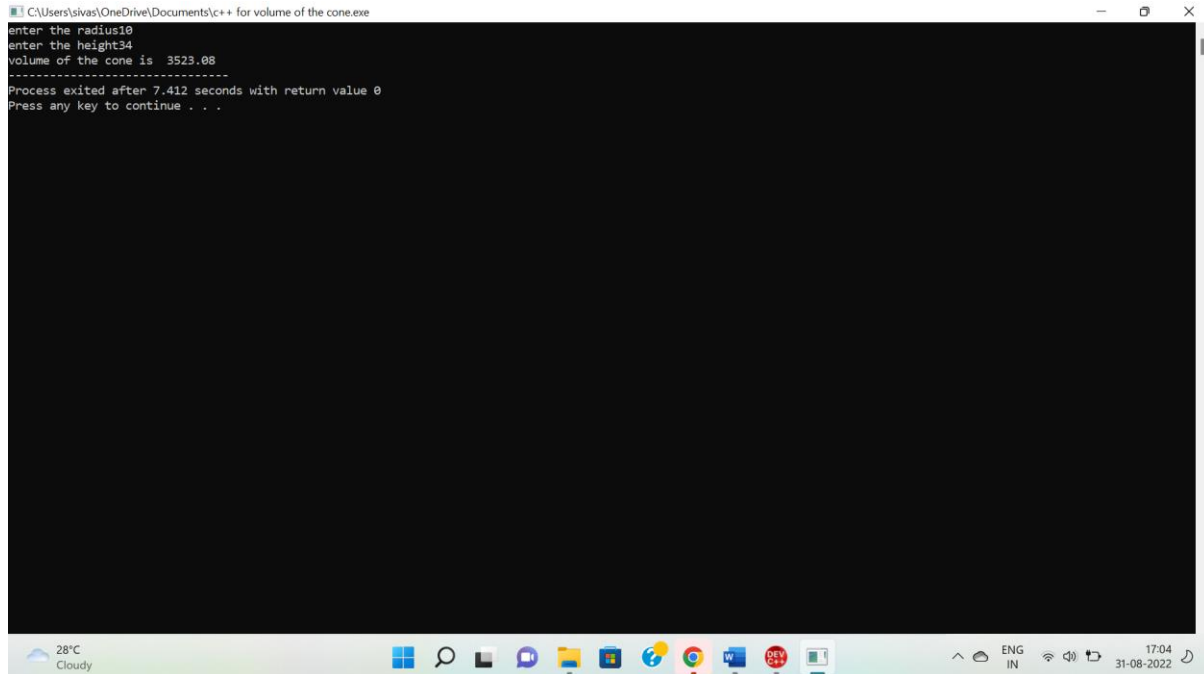
    v.getdata();

    v.display();

}
```

```
}
```

## Output:-



```
C:\Users\sivas\OneDrive\Documents\c++ for volume of the cone.exe
enter the radius:10
enter the height:34
volume of the cone is 3523.08
-----
Process exited after 7.412 seconds with return value 0
Press any key to continue . . .
```

## Program:-2

```
#include<iostream>

#include<math.h>

using namespace std;

class interst
{
    int p,n,r;

    public:

        int getdata();

        int display();

};

int interst::getdata()
{

    cout<<"enter the amount";

    cin>>p;
```

```

        cout<<"enter the no.of years";

        cin>>n;

        cout<<"enter the rate of interst";

        cin>>r;

    }

    int interst::display()

    {

        cout<<"simple interst is "<<p*n*r/100;

        cout<<"compound interst is "<<p*(1+r/100,n);

    }

    int main()

    {

        interst i;

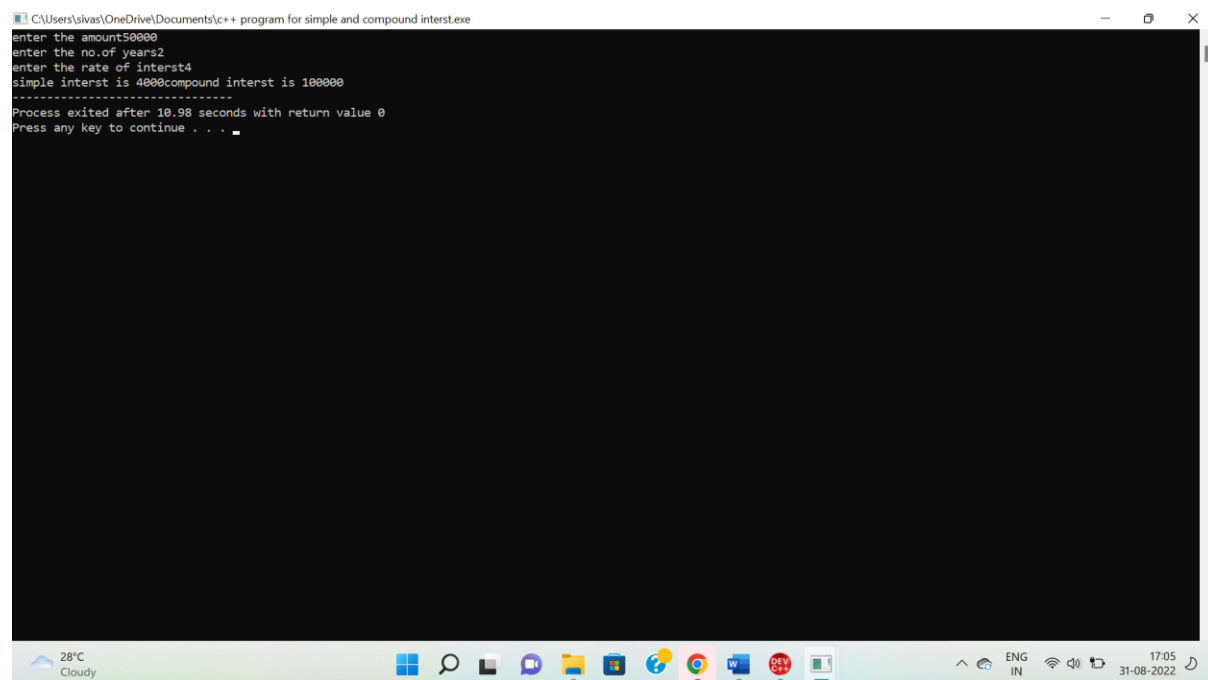
        i.getdata();

        i.display();

    }

```

## Output:-



```

C:\Users\sivas\OneDrive\Documents\c++ program for simple and compound interst.exe
enter the amount50000
enter the no.of years2
enter the rate of interst4
simple interst is 4000compound interst is 100000
.....
Process exited after 10.98 seconds with return value 0
Press any key to continue . . .

```

### **Program:-3**

```
#include<iostream>

#include<math.h>

using namespace std;

class biggest
{
    int x,y,z;

    public:

        int getdata();

        int display();

};

int biggest::getdata()
{
    cout<<"enter the x";

    cin>>x;

    cout<<"enter the y";

    cin>>y;

    cout<<"enter the z";

    cin>>z;

return 0;

}

int biggest::display()
{
    if(x>y&& x>z)
    {
        cout<<"x is greatest";

    }

    else if(y>x&& y>z)
    {
        cout<<"y is greatest";

    }

}
```

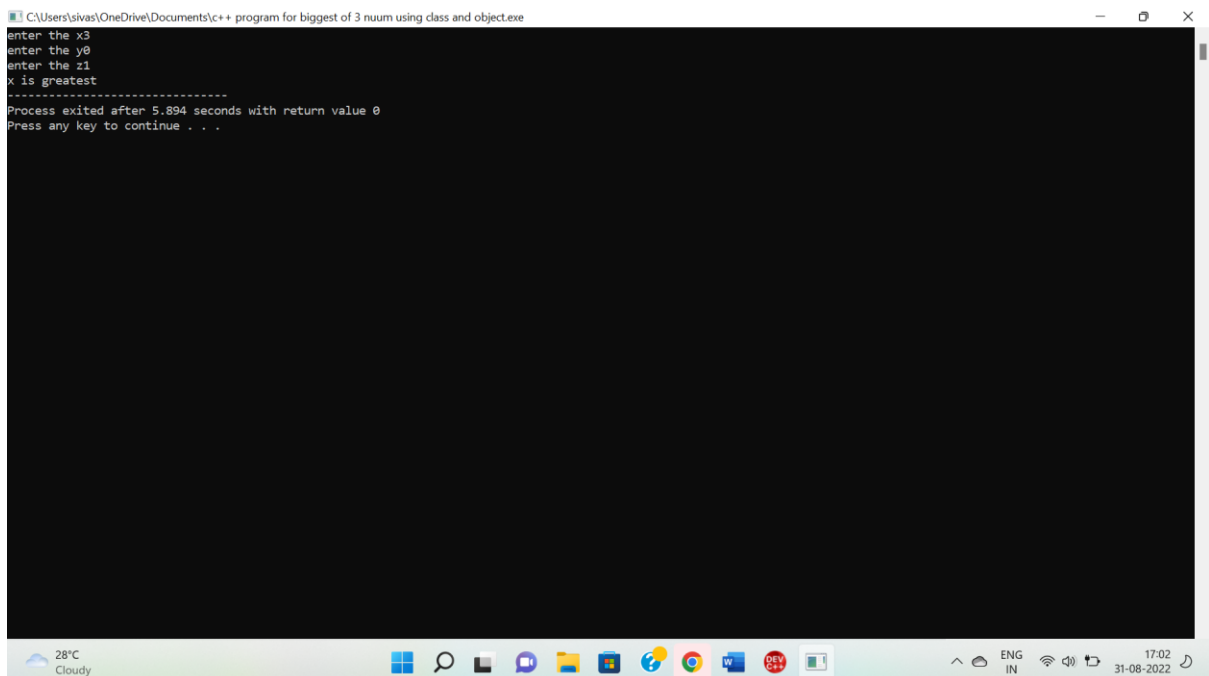
```

        else
        {
            cout<<"z is greatest";
        }
    }
    return 0;
}

int main()
{
    biggest b;
    b.getdata();
    b.display();
}

```

## Output:-



```

C:\Users\sivas\OneDrive\Documents\c++ program for biggest of 3 numm using class and object.exe
enter the x3
enter the y0
enter the z1
x is greatest
-----
Process exited after 5.894 seconds with return value 0
Press any key to continue . . .

```

## Program:-4

```
#include<iostream>
```

```
using namespace std;

int main()
{
    int x,y,z;
    cout<<"enter the 3 numbers";
    cin>>x>>y>>z;
    if(int(x)&&int(y)&&int(z))
    {
        if(x>y&&x>z)
        {
            cout<<"x is biggest";
        }
        else if(y>x&&y>z)
        {
            cout<<"y is biggest";
        }
        else
        {
            cout<<"z is biggest";
        }
    }
    else
    {
        cout<<"invalid";
    }
    return 0;
}
```

**Output:-**

```
C:\Users\sivas\OneDrive\Documents\c++ for biggest of 3 numbers.exe
enter the 3 numbers5
1
2
x is biggest
-----
Process exited after 4.262 seconds with return value 0
Press any key to continue . . .
```