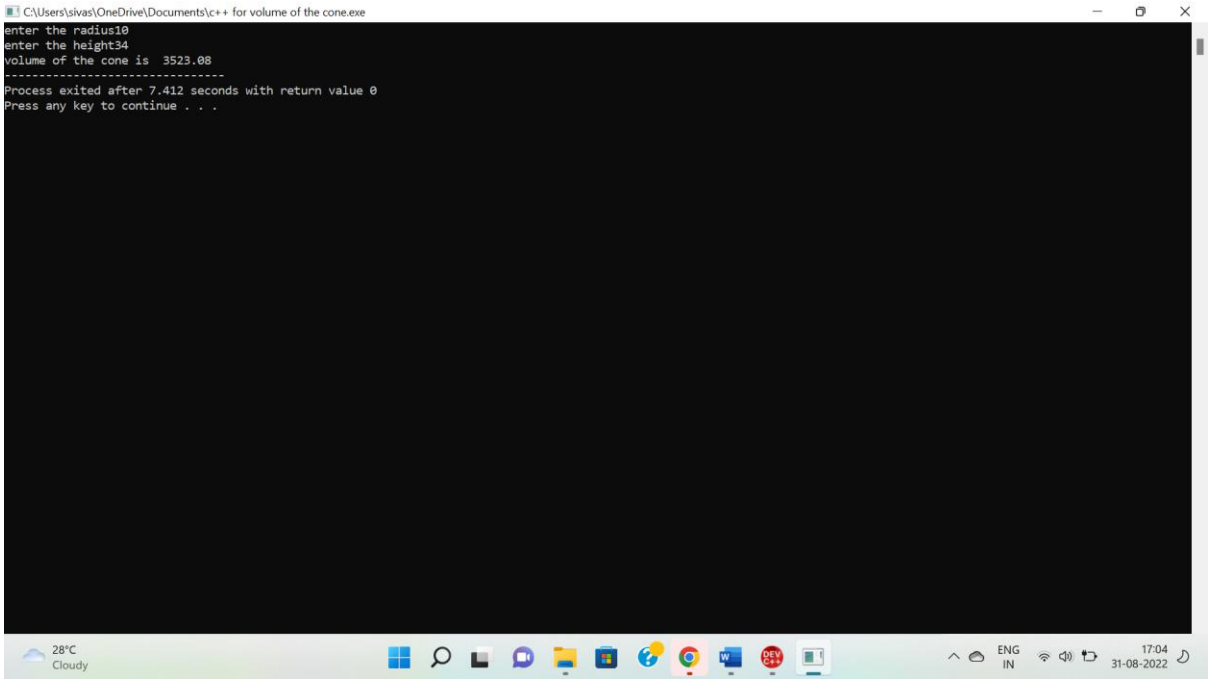
Program:-1

```
#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:-

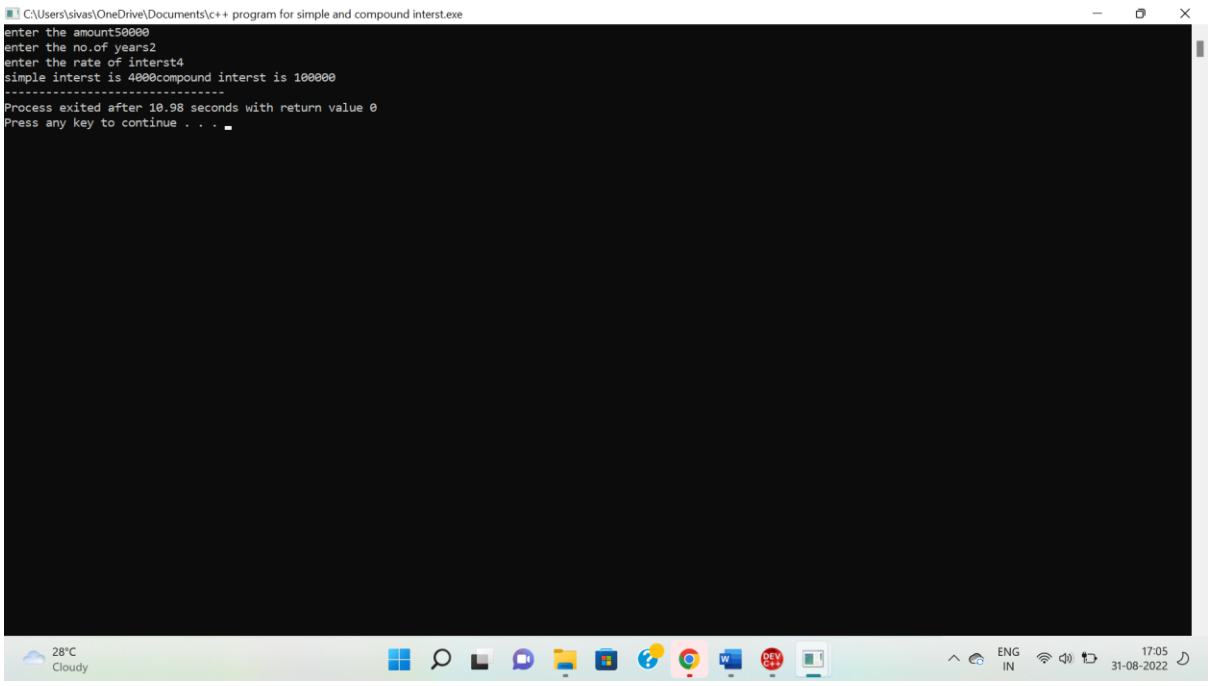


Program:-2

```
#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:-

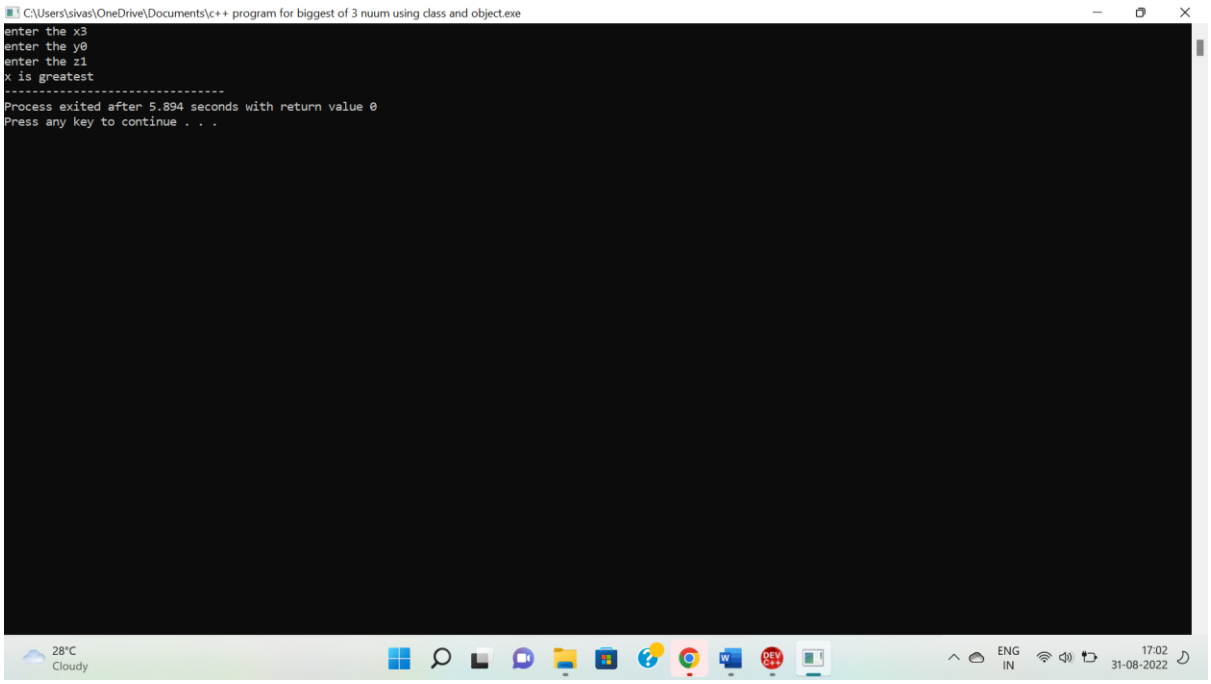


Program:-3

```
#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:-

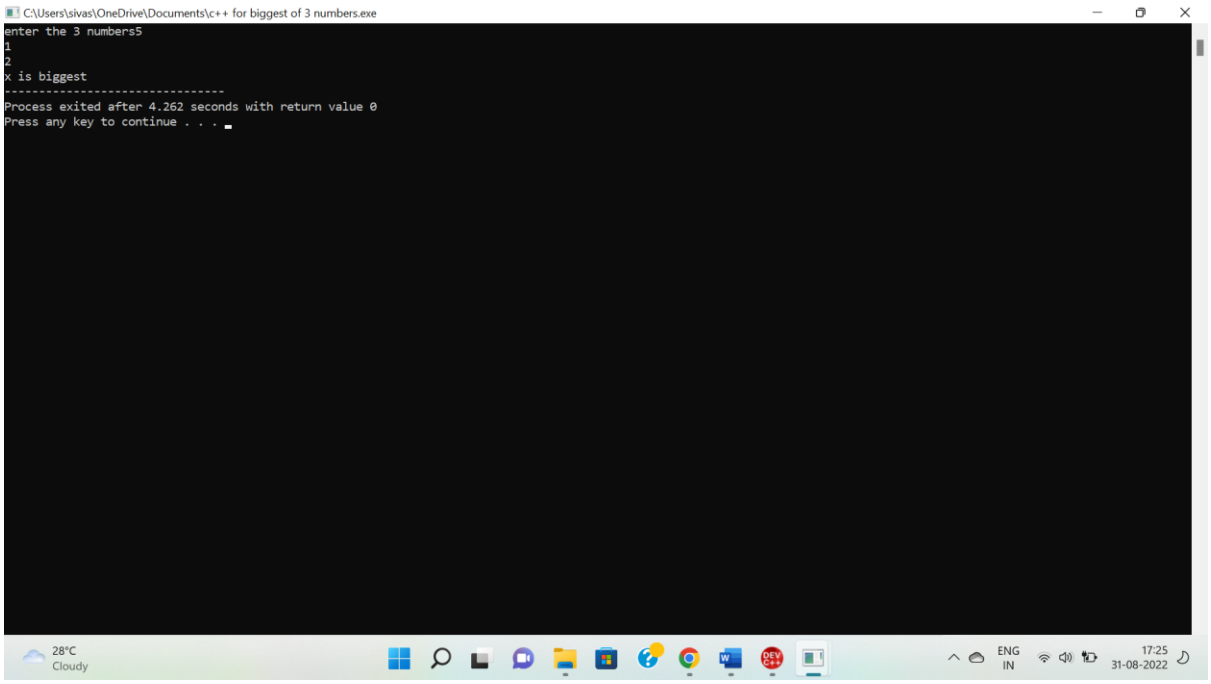


Program:-4

```
#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 . . .
28°C
Cloudy
ENG
IN
17:25
31-08-2022