

# DSA0136- OBJECT ORIENTED PROGRAMMING WITH C++ FOR SCANNING

DATE: 29/08/22

1. Write a c++ program for student report read three marks calculate the grade of the student

A. using namespace std;

#include<iostream>

int main()

{

int regno,m1,m2,m3,tot,avg;

char name[20];

cout<<"regno,m1,m2,m3,name";

cin>>regno>>m1>>m2>>m3>>name;

tot=m1+m2+m3;

avg=tot/3;

if (avg>=90)

{

cout<<"A grade";

}

else if (avg>80&&avg<90)

{

cout<<"B grade";

}

else if (avg>70&&avg<80)

{

cout<<"C grade";

}

else

```

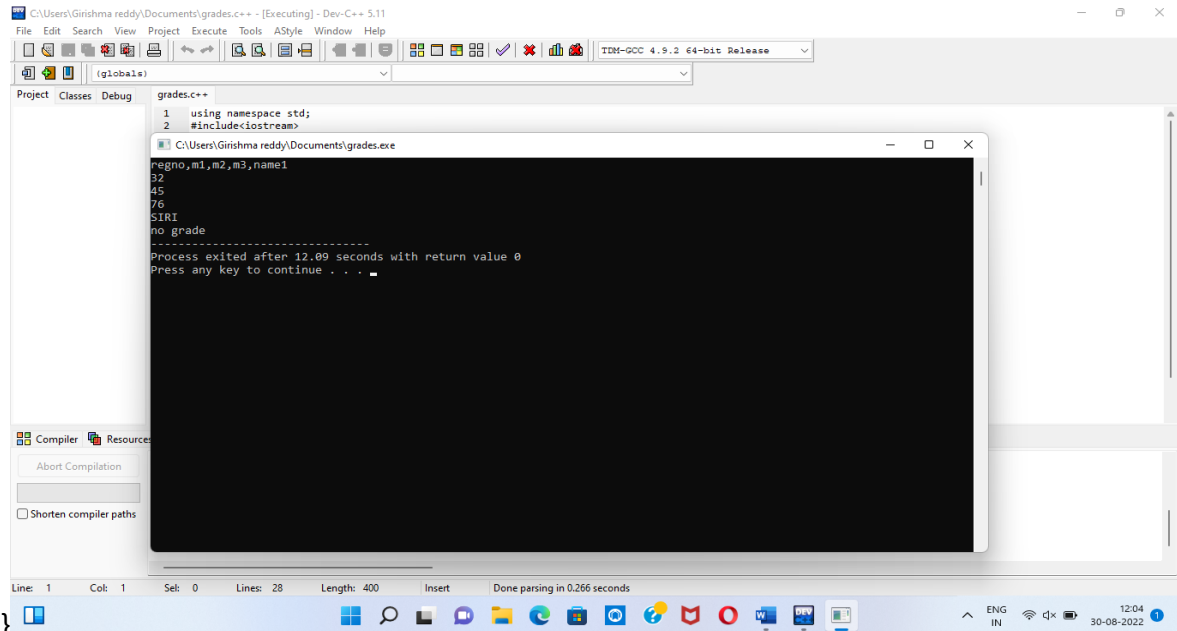
{

    cout<<"no grade";

}

return 0;

```



**DATE:**30/08/22

1. Write a program to perform sum of two numbers using class and object

A. #include<iostream>

class add

{

int x,y,z;

public:

void getdata();

void display();

};

void add::getdata()

{

cout<<"enter x and y";

cin>>x>>y;

```

}

void add::display()
{
    cout<<"sum of two numbers";

    z=x+y;

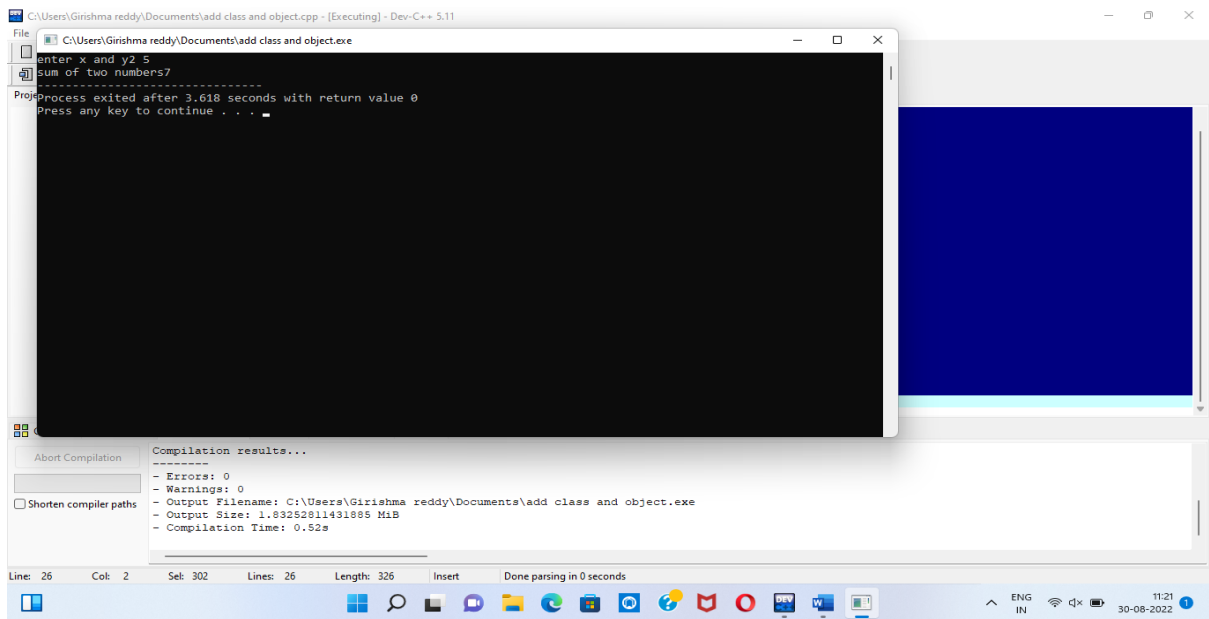
    cout<<z;
}

int main()
{
    add a;

    a.getdata();

    a.display()
}

```



2. Write a program to perform volume of a cone using class & object

A. using namespace std;

```
#include<iostream>
```

```
class volume
```

```
{
```

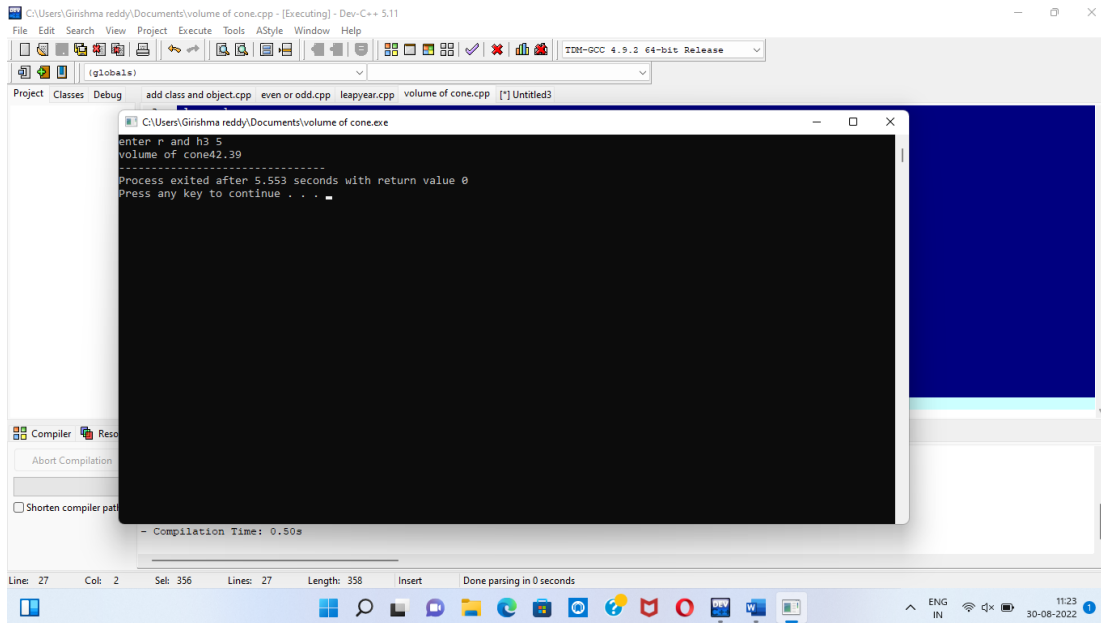
```
    float r,h,z;
```

```
        public:
            void getdata();
            void display();
};

void volume::getdata()
{
    cout<<"enter r and h";
    cin>>r>>h;
}

void volume::display()
{
    cout<<"volume of cone";
    z=0.3*3.14*r*r*h;
    cout<<z;
}

int main()
{
    volume a;
    a.getdata();
    a.display();
    return 0;
}
```



3. Write a c++ program for calculate the simple and compound interest.

A. using namespace std;

```
#include<iostream>
```

```
class intrest
```

```
{
```

```
    int p,n,r,k,y,z;
```

```
    public:
```

```
        void getdata();
```

```
        void display();
```

```
};
```

```
void intrest::getdata()
```

```
{
```

```
    cout<<"enter p,n, and r";
```

```
    cin>>p>>n>>r;
```

```
}
```

```
void intrest::display()
```

```
{
```

```

        cout<<" simple intrest";

        z=p*n*r/100;

        cout<<z;

        cout<<"compound intrest";

        y=p*(((1+r/100),n));

        cout<<y;

    }

int main()

{

    intrest a;

    a.getdata();

    a.display();

}

```

