

Const As data members:

1) we use const to make variable const.

2) class Test()

```
{  
    const int = 10;  
}
```

3) If we declare const, we cannot change its value.
A const variable must be assigned a value at the time of declaration.

Const As member function:

1) we use const in a member function to make function const, when we do not want function to be read only.

2) class Test()

```
{  
    public:  
    void display() const: // const As member func  
}
```

3) when we don't want any further changes or that function is only going to read value - in that case we can use ~~const~~ to member func As const.

Const As object:

1) An object can be declared to be const just like variable.

2) to make object const.

3) const Date birthday("11/11/2020");

4) The const property of an object goes into effect after the constructor finishes executing and before the class's destructor executes.

static A S data members:

- 1) The keyword static declares members that are not bound to class instances, so instances is not required to access the static members, change in static variable value effects all instances.

2) Test c)

```
{ static int x;
```

```
};
```

```
Test :: x = 10;
```

- 3) These members are shared by all objects. Also it must be initialized explicitly outside the class. It is also known as class variable.

static As Member Functions

- 1) These functions work for the class as a whole rather than for a particular object of a class.

2) Test c)

```
{ public  
static void display();
```

```
}
```

- 3) static members are allowed to access only the static data members or other static member functions. They can not access the non-static data members or member functions of the class.