C++

A complete documentary.

By Prince Agarwal.

["Hello World"]

Copy constructer in c++

Reference variable in c++

We have three types of variable

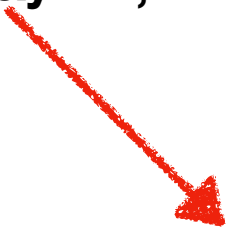
*** Ordinary Variables —> int x =5;**

*** Pointer Variables —> int *p ;**

*** Reference Variables —> int &y =x ;** **[reference is another name of address]**

Reference variable in c++

* Reference Variables —> int &y =x ;



Here,

Reference variable is : y

ampersand symbol

* Reference variable is a internal pointer.
* Reference means address
* declaration is started with & symbol
* It can be initialised with already declared variable
* Initialisation is mandatory.

Copy constructer in c++

```
#include <iostream>
using namespace std;
class complex
{
public:
    int a,b;
public:
    complex(int x , int y) // constructer bascically --> function
    {a=x ; b=y;}

    complex (int x)  // Parameterized constructer
    { a= x ;}

    complex()  // default constructer
    { }
};
int main()
{
    complex c1(2,3);
    complex c2;
}
```

Copy constructer in c++

Compiler always make two constructer : —

1. **Default constructer**
1. **Copy constructer**

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“ If you feel any problem then comments in my video
I will reply as soon as possible “

- Prince Agarwal