## Ways of inheritance

A class can be inherited in flowing ways

Publicly        -        All members of base will have same accessibility in derived class
Protectedly     -        All members of base will become protected in derived class
Privately       -        All members of base will become private in derived class

```cpp
class Parent
{
private: int a;
protected: int b;
public: int c;

    void funParent()
    {
        a=10;
        b=5;
        c=15;
    }
};
class Child: private Parent
{
private:

protected:

public:

    void funChild()
    {
        //a=10;
        b=5;
        c=15;
    }

};
class GrandChild : public Child
{
public:
    void funGrandChild()
    {
        //a=10;
        //b=5;
        //c=20;
    }
};
int main()
{
    // Child c;
    //c.a=10;
    //c.b=5;
    //c.c=20;
}
```