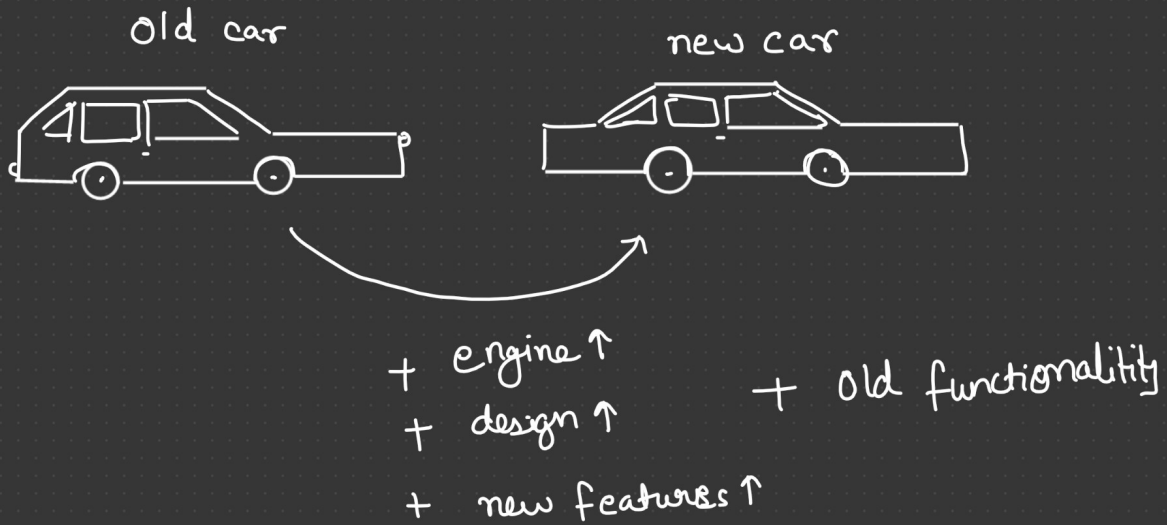


Inheritance

One of the main goal of oop's is to provide reusable code.



```
class Calculator
{
    add()
    {
    }
    sub()
    {
    }
}

class NewCalculator
{
    add() ✓
    sub() ✓
    mult() +
    divide() +
}

};
```

Parent class / Base class



child class / Derived class

class A
{

};

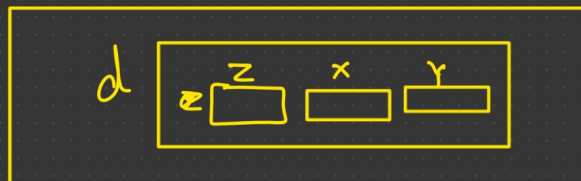
class B : public A
{

+
New
};

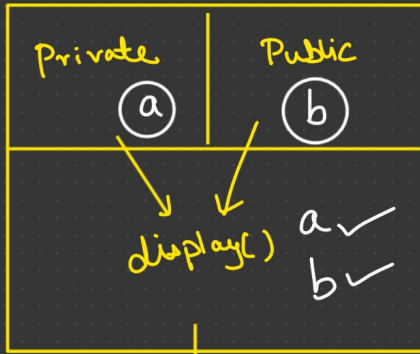
class ABC
{
public :
int x, y;
};

class DEF : public ABC
{
public :
int z;
};

```
int main()
{
    DEF d;
}
```

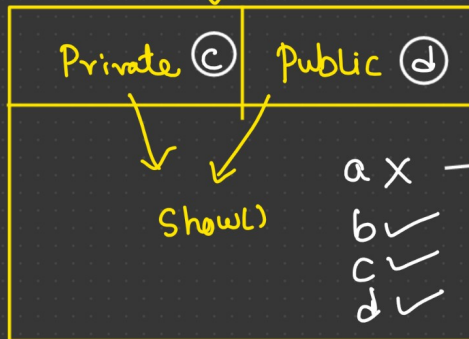


class A



class B

public inheritance



private members
are not accessible
outside the class.

main()

