Intializer list

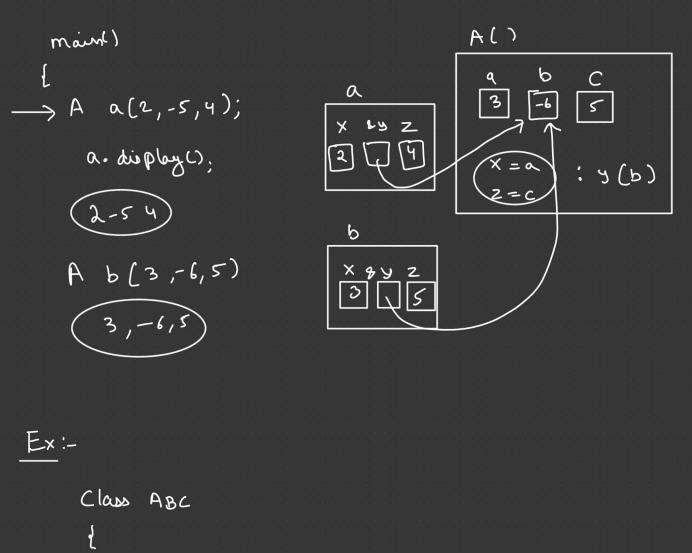
```
Class A
   int x, y, z;
   public:
              A() { }
               A (int a, int b, int c)
                                                    > ()
                   X = a;
                   Y = b;
                   Z = C;
              3
                                                        this pointer
               A (int x, int y, int z)
                                                   70
                                                       Object member
                 this \rightarrow x = x
                                                        Pointer -> member
                   this -> Y = y;
                   ti → Z = Z;
                          instance variable / (x, y, 2)

Current object > (x, y, 2)
              A ( int x , int y , int z )
                 (*this) \cdot x = x;
                                                    <del>></del>(3
                 (* this ) · y = y;
                  (*this). z = 2;
              3
```

Alint x, int y, int z) (x(x), y(y), z(z)) $\begin{cases}
3
\end{cases}$

Points to be noted: (when it is used?)

- Be when constructor's parameter name is same as data member.
- 4 For intialization of non-static const data member.
- * For intialization of reference mombers.
- \$ For intialization of base class.
- For intialization of member object which do not have default constructor.



Class ABC

int x;

public:

ABC (int a)

{
 x = a;
}

int x;

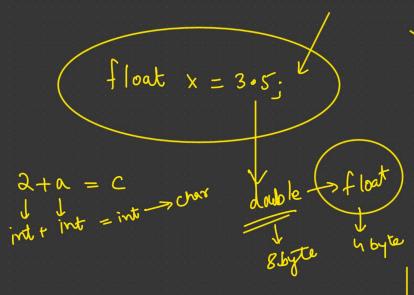
int &y;

ABC a1;

The will call default constructor.

```
It will call parameterized construction
   public :
            A (int a, int b): 4(b), a1(3)
                // y = b; \rightarrow error | Southon is intialized just.
              3
}.,
{
    A a(2,3);
     a. displayes;
   return 0;
```

Type Casting



- 1) Implicit Type capting
- 2) Explicit Type Casting.

float
$$y = (float) 3.5$$
;
 $explicit$
 $int *p = [int *)malloc(4)$;
(Student $S = S$;

predefined >> predefined

- 1) prefined -> userdefined -> Ruper 8 = 5;
- 2) Userdofined -> predofined -> int x = ~;
 - 3) Værdefined -> Userdefined -> Dollar d;
 Rupee & = d;
 - 1) Predefined -> Userdefined with the help of parameterized construetor

3) Userdefined -> Userdefined;

Dollar b;

Rupee a = b;