**When do we use Initializer List in C++?**

**If class contain const or reference then Initiliazer list is the only way to initialize them**

There are two way to initialize :’

public:

    Point(int i = 0, int j = 0):x(i), y(j) {}

**The above use of Initializer list is optional as the**

**constructor can also be written as:**

        Point(int i = 0, int j = 0)

{

            x = i;

            y = j;

        }

**Note: We can use same name without this:**

      Point(int i = 0, int j = 0):i(i), j(j) {}

**1) For initialization of non-static const data members:**

**2) For initialization of reference members:**

**3) For initialization of member objects which do not have default constructor:**

**4) For initialization of base class members :**