

- | Constructors !-

In Java in just 19k1 C++, or any other objected oriented language, we have the Concept of Constructor which are Special member function of a class with following important frantures;

- 1) Their name is exactly some at the name of class
- 2) They do not have any return type, not even void and they do not Return any value.
- 3) They are automotically Called by Java as soon as the object of a class get areated. Since the Java, Object areating happen at Run time So we say

that Constructor Couling also hoppens at Runtime.

- 4). In Jewer, if we mention the Return type with a Compile and sun i.e. no Syntam or Run time Compile and sun i.e. no Syntam or Run time Cover will appear, but Java will not Consider it to be a Constructor anymore and will not Coall it automeetically on object creation. In Other coords it will become just like any other ordinary method.
- S). In Java if a programmer closs not define any Constructor in his class on his own team the Java Compiler automatically inserts an Empty.

 Body Constructor in our class called as the default Constructor

```
Class Account
    Private int acctsd;
    private String name;
    private double balance;
    Public Account ()
      acctId = 101;
       name = " Amit";
       balance = 50000.0;
     Public void show()
      SOUT ("accid" +accid + "name" + name + " balance" + balance" + balance
 Class Upe Account
     Public Static Void main (String angs [])
       Account A = New Account();
```

A. Show ();

- 1 Paramatrized Constructor i-

Just like we can have parametrized member function, Similary we also can have parametrized Constructor. In the class.

That is a Constructor Con also accept argument

Special Note;-

But it a class has only parametrized Constructor, then we must remember that kney object of that class which we are going to weak must also be parametrized.

Syntax of parametrized Constructor:

public < Nome of class) (list of Organisms)

11 body

Cally of parametrized Constructor1-

(class name) Loby reference > - new (class Name) (list of your

```
ecomple is
Class Account
     private int acctId;
     Private String name;
      private clouble balance;
     Public Account ( int id, string Str, double bl)
          acetId = id;
          hame = Str;
         balance = 61;
    Public void Show ()
      Sout (" acc+Id" + accId + " name" + name + " balance" + balance
Class Use Account
    psum
     Account AL
     AL = new Account (101, "Amit", 50000)
```

AL Show!);