Constructor :

1) It is a block (similar to method) having same name as that of class Name.

2) constructor does not have any return type not even void.

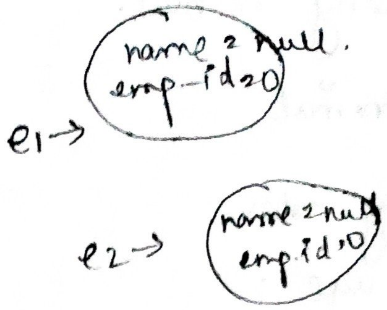
3) the only modifies applicable for constructor are public, protected, default & private.

4) it executes automatically when we create an object.

```
class Test{
{
 public Test()
  {
  }
 psvm(String[] args)
  {
   Test t = new Test();
  }
}
```

```
class Employee
{
  String name;
  int emp-id;

  psvm (String[] args)
  {
   Employee e1 = new Employee();
   Employee e2 = new Employee();
  }
```



object cannot be initialized through reference variable

Use: to initialize an object

```
      Employee (String name, int emp-id)
      {
        this.name = name;
        this.emp-id = emp-id;
      }
```

(created by compiler) <> (created by programmer)

1. Default constructor :

(no-arg constructor)

→ compiler ✓ ~~JVM~~

```
→ class Test
  {
   Test()
   { super(); }
  psvm(String[] args)
   {
    Test t = new Test();
   }
  }
```

2) No arg constructor
(user-defined)

```
Class Test
{
   Test()
   {
   }
  psvm(String args[])
  {
   Test t = new Test();
   }
}
```

3) Parameterized constructor

```
Class Test
{
 Test (String name)
 {
 }
 psvm (String[] args)
 {
  Test t = new ~~Test()~~
                   Test("Tushar")
 }
}
```

Why does constructor doesn't have void keyword?

Ans) As we only initialize the value it would not have a return type.