

→ Constructors ←

[•] Constructors are invoked implicitly when you instantiate objects.

↳ When you creating an Object.

[•] Rules of Constructor :

- ① Name of Constructor should be same as the class name.
- ② A java constructor must not have a return type.

[•] If a class doesn't have a ~~return type~~ constructor, java compiler automatically creates a default constructor during a run-time.

[•] Default Constructor :

A constructor that is automatically created by the java compiler if it is not explicitly defined.

[•] A constructor cannot be abstract or static or final.

[•] A constructor can be overloaded but can not be overridden.

Ex 8

```
class Complex
```

```
{
```

```
    int a, b; ←
```

```
    public Complex ( int real , int imaginary )
```

```
    {
```

```
        a = real;
```

```
        b = imaginary;
```

```
    }
```

```
}
```

// Main Class

```
public class Constructors-001
```

```
{
```

```
    public static void main (String args[])
```

```
    {
```

```
        Complex num1 = new Complex (4, 8);
```

```
        num1.print ();
```

```
    }
```

```
}
```