

Java Concept 22

- Initialization of non static variable takes place during initialization only or during creation of object

```
1 //y is assigned a value 20
2 class phone
3 {
4     static int x = 10;
5     int y = 20;
6 }
7 class JavaConcept
8 {
9     public static void main(String args[])
10    {
11        phone obj = new phone();
12    }
13 }
```

```
1 //y is not a assigned value
2 class phone
3 {
4     static int x = 10;
5     int y = 20;
6 }
7 class JavaConcept
8 {
9     public static void main(String args[])
10    {
11        phone.x = 100;
12    }
13 }
```

```

1 //1st Way to load Class
2 //Only initialize static variable
3 class Java
4 {
5     static String var = "static var";
6     static Python static_var = new Python("static variable");
7     Python non_static_var = new Python("non static varaible");
8 }
9 class Python
10 {
11     Python(String s)
12     {
13         System.out.println("Constructor Python : "+s);
14     }
15 }
16
17 public class JavaConcept
18 {
19     public static void main(String args[])
20     {
21         System.out.println(Java.var);
22     }
23 }

```

run:

Constructor Python : static variable
static var

```

1 //2nd Way to load Class
2 //initialize both static variable and non static variable
3 class Java
4 {
5     static String var = "static var";
6     static Python static_var = new Python("static variable");
7     Python non_static_var = new Python("non static varaible");
8 }
9 class Python
10 {
11     Python(String s)
12     {
13         System.out.println("Constructor Python : "+s);
14     }
15 }
16
17 public class JavaConcept
18 {
19     public static void main(String args[])
20     {
21         new Java();
22     }
23 }

```

run:

Constructor Python : static variable
Constructor Python : non static varaible