

Java Concept 53

- Execution order of (static init block),(instance init block) and (Constructor)
 1. static init block
 2. instance init block
 3. Constructor

static init blocks	instance init blocks
<code>static</code> <code>{...}</code>	<code>{...}</code>
Run when object of class created using new (A obj = new A() ;)	Run when object of class created using new (A obj = new A() ;)
Run when static member of class is called using . operator	Wont Run when static member of class is called using . operator
Can access static members	Can not access static members
Can not access non static members	Can access non static members

```
1  class Java
2  {
3      Java() // Called third
4      {...}
5
6
7
8      static // Called first
9      {...}
10
11
12
13     //Called second
14     {...}
15
16
17
18 }
```

```

1 //Order of execution (Static init block ,
2 // instance init block , Constructor)
3 class Java
4 {
5
6     Java()
7     {
8         System.out.println(C.Y+"Calling "
9             + "Constructor"+C.RE);
10    }
11
12    {
13        System.out.println(C.G+"Calling "
14            + "instance init block 1"+C.RE);
15    }
16
17    static
18    {
19        System.out.println(C.P+"Calling s"
20            + "tatic init block 1"+C.RE);
21    }
22
23    {
24        System.out.println(C.G+"Calling "
25            + "instance init block 2"+C.RE);
26    }
27
28    static
29    {
30        System.out.println(C.P+"Calling "
31            + "static init block 2"+C.RE);
32    }
33
34 }
35 public class JavaConcept
36 {
37     public static void main(String args[])
38     {
39         Java obj1 = new Java();
40     }
41 }

```

run:

```

Calling static init block 1
Calling static init block 2
Calling instance init block 1
Calling instance init block 2
Calling Constructor

```