Java Concept 23

- static block is called when class is loaded into memory

- static block can only be used to initialized static variables and call static methods

```java
1   //calling static method and initialize
2   //static variable // No Error
3   class Google
4   {
5      static int b =0;
6      //static block
7      static
8      {
9       stat_method();
10      b = 10;
11     }
12     static void stat_method()
13     {
14        System.out.println("Static Method");
15     }
16  }
17
18  public class JavaConcept
19  {
20     public static void main(String args[])
21       {
22           //Loading Google Class
23           System.out.println(Google.b);
24       }
25  }
```

```
run:
Static Method
10
```

```java
//calling non static method and initialize
//non static variable // Error
class Google
{
   int a = 0;
   static int b = 0;
   //static block
   static
   {
    a = 10;
    non_stat_method();
   }
   void non_stat_method()
   {
      System.out.println("Non Static Method");
   }
}

public class JavaConcept
{
   public static void main(String args[])
      {
          //Loading Google Class
          System.out.println(Google.b);
      }
}
```

Error- non-static variable a cannot be referenced from a static context