Static Members

Whenever any member variable of class is declared as static then that member variable is known as static member variable.

Whenever any method of class is declared as static then that method is known as static method. Static block or static method can directly access only the static members of its own class and cannot directly access non static members of its own class.

```
class Example1
    {
      int a=10;
      public static void main(String arg [ ])
          {
          System.out.println("value="+a);
          }
    }
```

In the above example variable 'a' is non static member variable and static method main is accessing the value of variable 'a' therefore compiler will generate following error during the compile time of program.

Error:-

static method main () cannot access not static member variable 'a'

Static Block

static is a key word of Java language that can create its own block within the class. Static block is new concept of Java language that is used to execute all the type of instructions before the execution of any member of that class. Execution control will execute static block only ones before the execution of any constant or method of that class.

```
class Example1
{
   static
        {
        System.out.println(" I am in static block");
        }
        public static void main(String arg[ ])
        {
        System.out.println(" I am in main");
        }
}
```

Output :- I am in static block
I am in main

During the execution of above program, execution control will execute all the statement of static block and after the complete execution of static block it will execute the statements of main block.

Any number of static block can be write anywhere in the problem.