

Dt : 5/9/2022

faq:

can we write Java program without main() method?

=>Yes,we can write Java program without main() method upto Java6 version,but from Java7 version onwards we cannot write JavaPrograms without main() method.

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2.NonStatic blocks or Instance blocks:

=>The blocks which are declared without static keyword are known as NonStatic blocks or Instance blocks.

syntax:

```
{  
//set-of-statements;  
}
```

Execution behaviour:

- (i)Instance block is executed while object creation process.**
- (ii)Instance block is executed for all the multiple object creations.**

Ex : DemoBlock3.java

class BTest //SubClass

```

{

    int a=10;//Instance variable memory in Object

    static int b=20;//Static variable memory in class

    {

        a++;

        b++;

        System.out.println("=====Instance block=====");

        System.out.println("The value a:"+a);

        System.out.println("The value b:"+b);

    }

}

```

class DemoBlock3 //MainClass

```

{

    public static void main(String[] args)

    {

        System.out.println("****Object-1****");

        BTest ob1 = new BTest();

        System.out.println("****Object-2****");

        BTest ob2 = new BTest();

    }

}

```

o/p:

******Object-1******

=====Instance block=====

The value a:11

The value b:21

****Object-2****

=====Instance block=====

The value a:11

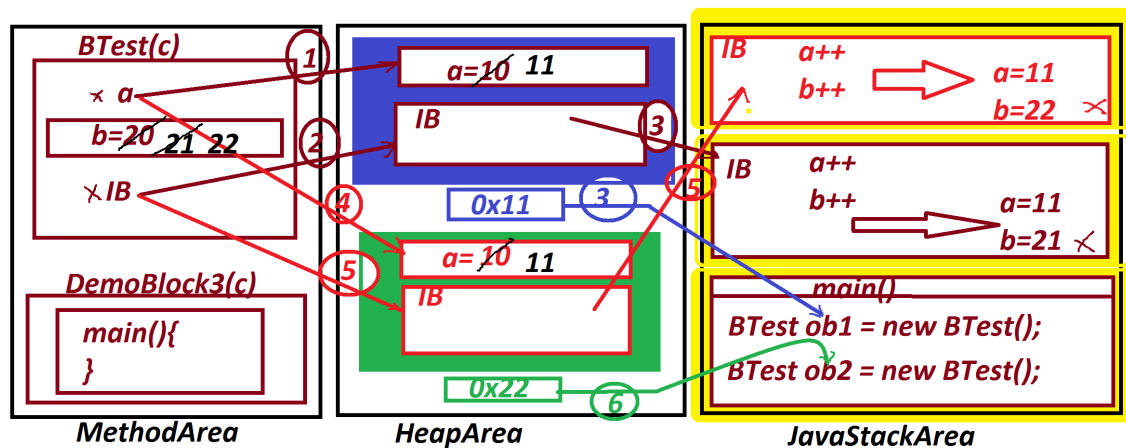
The value b:22

Execution flow of above program:

ClassFiles:

BTest.class

DemoBlock3.class(MainClass)



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Note:

=>Class in Java can generate any number of Multiple objects

without restriction.

=>The multiple objects which are generated from the class are

independent by their memory location on Heap Area.

=>The Class is loaded only once in generating multiple Objects.

*=>In realtime static block is used to hold DataBase connection
code part of DAO(Data Access Object) Layer of MVC(Model View
Controller)*

*=>In realtime Instance blocks are less used when compared to
Static blocks.*

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faq:

wt is the diff b/w

(i)Methods

(ii)Blocks

*=>Methods are executed on Method_call,but blocks are executed
automatically without calling.*

=>Blocks will have highest priority in execution than methods.

*=>Static blocks will have highest priority in execution than
static methods.*

*=>Instance blocks will have highest priority in execution than
Instance methods*

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