

1. Write a Program to show how to call a Static variable and non-static variable to another class?

```
class SVariable{
    static int m=20;
    int n=10;
}
class StaticVar{
    public static void main(String []args){
        SVariable sv=new SVariable();
        System.out.println("Now you are in the main method");
        System.out.println("By using object variable sv we are calling the non static value of n= " +sv.n);
        System.out.println("By the class name we are calling the static value is m= " +SVariable.m);
    }
}
```

2. Write a program to show the working of static block in java?

```
class BStatic{
    int n=10;
    static int m=30;
    static String mystr = "Static block in Java";
    BStatic(){
        System.out.println("Run only after the Static block{ }");
        System.out.println("The non value n="+n);
    }
    static{
        System.out.println("Run before the main( ) method and and constructor( )");
        System.out.println("The Static variable m= "+m);
        System.out.println("The Static variable mystr= "+mystr);
    }
}
```

```

class StaticTest1{
    public static void main(String []args){
        BStatic bs = new BStatic();
        System.out.println("Now you are in the main method");
    }
}

```

3. Write a program to show the working of static method in java?

```

class SMethod{
    int n=10;
    static int m=30;
    static void staticmethod(){
        int p=m*m;
        System.out.println("inside the static Method");
        System.out.println("Sum of value = " +p);
    }
}

class MethStatic{
    public static void main(String []args){
        SMethod obj= new SMethod();
        SMethod.staticmethod();
        System.out.println("Now you are in the main method");
        System.out.println("The non static value is n= " +obj.n);
        System.out.println("The static value is m= " +SMethod.m);
    }
}

```