**Static**

**1. Write a class with 2 static variables, 2 Instance variables, 2 static methods, 2 instance methods and a main method.**

class JavaExample2{

static int num;

static String mystr;

//First Static block

static{

System.out.println("Static Block 1");

num = 68;

mystr = "Block1";

}

//Second static block

static{

System.out.println("Static Block 2");

num = 98;

mystr = "Block2";

}

public static void main(String args[])

{

System.out.println("Value of num: "+num);

System.out.println("Value of mystr: "+mystr);

}

}

**2. Print instance variables in static methods**

public class Test {

public int instanceVariable = 10;

public static void main(String args[]) {

Test test = new Test();

System.out.println(test.instanceVariable);

}

}

**3. Print static variables in Instance methods**

import java.io.\*;

class Geek {

public static String geekName = "";

public static void geek(String name)

{

geekName = name;

}

}

class GFG {

public static void main(String[] args)

{

Geek.geek("vaibhav");

System.out.println(Geek.geekName);

Geek obj = new Geek();

obj.geek("mohit");

System.out.println(obj.geekName);

}

}

**4. Call instance methods in static methods**

class Foo {

static void staticMethod() {

Foo foo = new Foo();

foo.instanceMethod();

}

void instanceMethod() { }

}

Or the static method could be passed an instance by its caller.

class Foo {

static void staticMethod(Foo foo) {

foo.instanceMethod();

}

void instanceMethod() { }

}

**5. Call static methods in instance methods**

class Foo {

static void staticMethod(Foo foo) {

foo.instanceMethod();

}

void instanceMethod() { }

}

**6. Print all the static, instance variables in main method**

import java.io.\*;

class GFG {

public int k;

public GFG(int k) { this.k = k; }

public void setK() { this.k = k; }

public int getK() { return k; }

public static void main(String[] args)

{

hlG gfg = new hlG(10);

System.out.print("Value of k is: " + gfg.getK());

}

}

**7. Call static methods and instance methods in main method**

public class StaticDemo

{

static int a = 13;

static int b = 1199;

static void callme()

{

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

}

}

public class TestThis

{

public static void main(String args[])

{

StaticDemo.callme();

System.out.println("The value of b = " + StaticDemo.b);

}

}