

Tutorial 4

Output of the following code:

```
1) class JBT {  
    int variable = 5;  
    public static void main(String args[]) {  
        JBT obj = new JBT();  
        obj.method(20);  
        obj.method();}  
    void method(int variable) {  
        variable = 10;  
        System.out.println("Value of variable :" +  
        variable);  
    }  
    void method() {  
        int variable = 40;  
        System.out.println("Value of variable :" +  
        variable);  
    }  
}
```

2)

```
class JBT {  
    int variable = 5;  
    public static void main(String args[]) {  
        JBT obj = new JBT();  
        obj.method(20);  
        obj.method();  
    }  
    void method(int variable) {  
        variable = 10;  
        System.out.println("Value of Instance variable  
:" + this.variable);  
        System.out.println("Value of Local variable :" +  
variable);  
    }  
    void method() {  
        int variable = 40;  
        System.out.println("Value of Instance variable  
:" + this.variable);  
        System.out.println("Value of Local variable :" +  
variable);  
    }  
}}
```

3)

```
class JBT {  
  
    public static void main(String[] args) {  
        JBT obj = new JBT();  
        obj.methodTwo();  
    }  
    void methodOne(){  
        System.out.println("Inside Method ONE");  
    }  
  
    void methodTwo(){  
        System.out.println("Inside Method TWO");  
        this.methodOne();// same as calling  
        methodOne()  
    }  
}
```

Consider the following Class:

```
public class Demo1 {  
    private int empId;  
    private String name;  
    public int getEmpId() {  
        return empId;  
    }  
    public void setEmpId(int empId) {  
        this.empId = empId;  
    }  
    public String getName() {  
        return name;  
    }  
    public void setName(String name) {  
        this.name = name;  
    }  
    public static void main(String[] args){  
}  
}
```

Output of the following code:

```
1)  
    public static void main(String[] args){  
        Demo1 demo1;  
        demo1.setEmpId(1);  
        demo1.setName("CSE");  
        System.out.println("Display the values stored  
in the member variables");  
        System.out.println("Employee Id is  
"+demo1.getEmpId());  
        System.out.println("Employee Name is "+  
demo1.getName());  
    }  
  
2)  
    public static void main(String[] args){  
        Demo1 demo1 = new Demo1();  
        demo1.setEmpId(1);
```

```
        demo1.setName("CSE");  
        System.out.println("Display the values stored  
in the member variables");  
        System.out.println("Employee Id of Demo1 is  
"+demo1.getEmpId());  
        System.out.println("Employee Name of Demo1  
is "+ demo1.getName());  
    }  
}
```

```
3)    public static void main(String[] args){  
  
        Demo1 demo1 = new Demo1();  
        Demo1 demo11;  
        demo1.setEmpId(1);  
        demo1.setName("CSE");  
        demo11 = demo1;  
        demo11.setEmpId(2);  
        System.out.println("Display the values stored  
in the member variables");  
        System.out.println("Employee Id of Demo1 is  
"+demo1.getEmpId());  
        System.out.println("Employee Name of  
Demo1 is "+ demo1.getName());  
    }  
}
```

```
4)  
    public static void main(String[] args){  
        Demo1 demo1 = new Demo1();  
        Demo1 demo11 = new Demo1();  
        demo1.setEmpId(1);  
        demo1.setName("CSE");  
        demo11.setEmpId(2);  
        demo11.setName("Bennett");  
        System.out.println("Display the values stored  
in the member variables");  
        System.out.println("Employee Id of Demo1 is  
"+demo1.getEmpId());  
        System.out.println("Employee Id of Demo11  
is "+ demo11.getEmpId());  
        demo11 = demo1;  
        demo11.setEmpId(2);  
        System.out.println("Employee Id of Demo1 is  
"+demo1.getEmpId());
```

```

        System.out.println("Employee Id of Demo1
is"+demo11.getEmpId());

        demo1.setEmpId(3);

        System.out.println("Employee Id of Demo1 is
"+demo1.getEmpId());

        System.out.println("Employee Id of Demo1 is
"+demo11.getEmpId());
    }

```

5)

```

class Student{
int rollno;
String name;
float fee;
void display(){System.out.println(rollno+"
"+name+" "+fee);}
}

```

```

class TestThis1{
public static void main(String args[]){
Student s1=new Student();
Student s2=new Student();
s1.display();
s2.display();
}}

```

6)

```

public class ThisDemo {
int a;

    public void setA(int a) {
        a = a;
    }

    public int getA() {
        return a;
    }

    public static void main(String[] args){

```

```

        ThisDemo obj= new ThisDemo();
        obj.setA(10);
        System.out.println(obj.a);
    }
}

```

7)

```

public class ThisDemo {
int a;

    public void setA(int a) {
        this.a = a;
    }

    public int getA() {
        return a;
    }

    public static void main(String[] args){

        ThisDemo obj= new ThisDemo();
        obj.setA(10);
        System.out.println(obj.a);
    }
}

```

8)

```

public class ThisDemo {
int a;

    public void setA(int a) {
        a= this.a;
    }

    public int getA() {
        return a;
    }

    public static void main(String[] args){

        ThisDemo obj= new ThisDemo();
        obj.setA(10);
        System.out.println(obj.a);
    }
}

```