

1. What is wrong of the following Java code? Correct it. 4

```
class Main {  
    public static void main(String args[]) {  
        System.out.println(fun());  
    }  
    int fun() {  
        return 20;  
    }  
}
```

2. What will be the output of the following Java program? 4

```
public class Calculator  
{  
    int num = 100;  
    public void calc(int num) { this.num = num * 10; }  
    public void printNum() { System.out.println(num); }  
  
    public static void main(String[] args)  
    {  
        Calculator obj = new Calculator();  
        obj.calc(2);  
        obj.printNum();  
    }  
}
```

3. Complete the “class test” so that the output of the following Java code is “20 10”. 4

```
class test  
{  
    int a;  
    int b;  
    -----  
    -----  
    -----  
}  
class Output  
{  
    public static void main(String args[])  
    {  
        test obj = new test(10 , 20);  
        obj.meth(obj);  
        System.out.println(obj.a + " " + obj.b);  
    }  
}
```

4. Complete the following Java code to get the output.

4

```
class Student{
    private String name;
    private int roll;
    private int marks;

    -----
    -----
    -----

    public void printName(){
        System.out.println(name+ " " + roll+ " " + marks);
    }
}

class Cu1{
    public static void main(String[] args){
        Student a = new Student("xyz");
        Student b = new Student(3, 512);
        a.printName();
        b.printName();
    }
}
```

5. Can we overload methods that differ only by static keyword in Java? Explain.

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