

Software Engineering Design & Construction

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Test Your Java

Do you understand each line?

```
public class TestYourJava {  
  
    public static void main(String[] args) throws Exception {  
        List<String> l = new ArrayList<>(5);  
        System.out.println(l);  
  
        File tempFile = File.createTempFile("Temp", "txt");  
        try (FileOutputStream fout = new FileOutputStream(tempFile)) {  
            fout.write(101);  
        }  
    }  
}
```

What will be the result of running the program

```
public class TestYourJava {  
  
    public static void main(String[] args) {  
        Object o = null;  
        System.out.println(o instanceof Object);  
        try {  
            o = TestYourJava.<Double> cast("Alice");  
        } catch (ClassCastException cce) {  
            System.out.println("Bob");  
        }  
        System.out.println(o == null);  
        System.out.println(o instanceof String);  
        System.out.println(o instanceof Double);  
    }  
  
    @SuppressWarnings("unchecked")  
    private static <I> I cast(Object i) {  
        return (I) i;  
    }  
}
```