

**Enthuware Mobile Test Studio**

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**Standard Tests - Last Day Test (Unique) : 2019-10-24 19:49**Q 47 of 86 ☐ Mark I/O Fundamentals - Serialization [enthuware.ocpjp.v8.2.1702](#)

What will be a part of the output when the following code is compiled and run?

```
class Boo {
    int boo = 10;
    public Boo(int k){ System.out.println("In Boo k = "+k); boo = k;}
}

class BooBoo extends Boo {
    public BooBoo(int k ){ super(k); System.out.println("In BooBoo k = "+k); }
}

class Moo extends BooBoo implements Serializable {
    int moo = 10;
    public Moo(){ super(5); System.out.println("In Moo"); }
}

public class TestClass {

    public static void main(String[] args) throws Exception{

        Moo moo = new Moo();
        FileOutputStream fos = new FileOutputStream("c:\\temp\\moo1.ser");
        ObjectOutputStream os = new ObjectOutputStream(fos);
        os.writeObject(moo);
        os.close();
        FileInputStream fis = new FileInputStream("c:\\temp\\moo1.ser");
        ObjectInputStream is = new ObjectInputStream(fis);
        moo = (Moo) is.readObject();
        is.close();
    }
}
```

**Answered Incorrectly** You had to select 3 option(s)☐ In Boo k = 5

In BooBoo k = 5

☐ - - - : 0

In BooBoo k = 0

☒ In Moo☐ It will throw an exception at runtime.☐ It will not compile.

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While instantiating a new Moo, all the constructors will be executed. So it will print

In Boo k = 5

In BooBoo k = 5

In Moo

There will not be any problem while serializing the Moo object.

However, while deserializing, the JVM will not find any no-arg constructor that can be invoked to initialize BooBoo. No-args constructor is required in BooBoo because BooBoo is the most specific class in the class hierarchy that doesn't implement Serializable. So it will throw an `InvalidClassException`.

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