

Certification SCJP/OCJP Mock Serialization

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1. Serialization

4. Chapter: Serialization

1. Serialization Questions

4.1.1. What is the result of compiling and running the following code?

Author: JavaChamp Team

What is the result of compiling and running the following code?

```
import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.ObjectInputStream;
import java.io.ObjectOutputStream;
import java.io.Serializable;

class Base {
    int code = 99;

    Base() {
        code = 77;
    }
}

public class Derived extends Base implements Serializable {

    public static void main(String[] args) {
        Derived derived1 = new Derived();
        derived1.code = 88;

        try {
            FileOutputStream fos = new FileOutputStream("data.txt");
            ObjectOutputStream os = new ObjectOutputStream(fos);
            os.writeObject(derived1);
            os.close();
            FileInputStream fis = new FileInputStream("data.txt");
            ObjectInputStream is = new ObjectInputStream(fis);
            Derived derived2 = (Derived) is.readObject();
            System.out.print(derived2.code);
            is.close();
        } catch (Exception x) {
        }
    }
}
```

Please choose only one answer:

- 0
- 77
- 88
- 99
- Compilation error

Check the answer of this question online at QuizOver.com:
Question: [How to combine inheritance and serialization in java?](#)

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4.1.2. Given the following two classes (Address and Account), what may hap...

Author: Yasser Ibrahim

Given the following two classes (Address and Account), what may happen if you attempt to serialize an instance of Account?

```
class Address{}  
class Account implements Serializable {Address address;}
```

Please choose only one answer:

- Compilation error
- Exception is thrown at run time
- Serialization will succeed correctly with no problems

Check the answer of this question online at QuizOver.com:

Question: [How to serialize java class?](#)

Flashcards:

<http://www.quizover.com/flashcards/how-to-serialize-java-class?pdf=3044>

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4.1.3. Which of the following data members of a class cannot be serialized?

Author: JavaChamp Team

Which of the following data members of a class cannot be serialized?

Please choose all the answers that apply:

- private data members
- transient data members
- static data members
- final data members

Check the answer of this question online at QuizOver.com:

Question: [What variables cannot be serialized in java?](#)

Flashcards:

<http://www.quizover.com/flashcards/what-variables-cannot-be-serialized-in-java?pdf=3044>

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<http://www.quizover.com/question/what-variables-cannot-be-serialized-in-java?pdf=3044>

4.1.4. What is the result of compiling and running the following code?

Author: Yasser Ibrahim

What is the result of compiling and running the following code?

```
import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.ObjectInputStream;
import java.io.ObjectOutputStream;
import java.io.Serializable;

public class Tester implements Serializable{

    transient int x = 5;

    public static void main(String[] args) {
        Tester tester1 = new Tester();
        try {
            ObjectOutputStream os = new ObjectOutputStream(
                new FileOutputStream("data.txt"));
            os.writeObject(tester1);
            os.close();
            System.out.print(++tester1.x + " ");
            ObjectInputStream is = new ObjectInputStream(new FileInputStream(
                "data.txt"));
            Tester tester2 = (Tester) is.readObject();
            is.close();
            System.out.println(tester2.x);
        } catch (Exception x) {
            System.out.println("Exception thrown");
        }
    }
}
```

Please choose only one answer:

- 5 5
- 6 5
- 6 0
- An exception is thrown

Check the answer of this question online at QuizOver.com:

Question: [What cannot be serialized in java?](#)

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Interactive Question:

<http://www.quizover.com/question/what-cannot-be-serialized-in-java?pdf=3044>

4.1.5. Which of the following is the correct output:

Author: Juan Pablo

Which of the following is the correct output:

```
import java.io.*;

class Class {
    {System.out.print("a1-");}

    public Class() {
        System.out.print("a-");
    }

    static {System.out.print("s1-");}
}

class SubClass extends Class implements Serializable {

    {System.out.print("b1-");}

    public SubClass() {
        System.out.print("b-");
    }

    static {System.out.print("s2-");}
}

public class TestSerializable {

    public static void main(String[] args) {

        SubClass subClass = new SubClass();

        ObjectOutputStream oos = null;
        ObjectInputStream ois = null;
        try{
            oos = new ObjectOutputStream(new FileOutputStream("myFile"));
            oos.writeObject(subClass);
            ois = new ObjectInputStream( new FileInputStream ("myFile"));
            subClass = (SubClass) ois.readObject();
        }catch(Exception e){
            System.out.print("Todo mal!");
        }
    }
}
```

Please choose only one answer:

- s1-s2-a1-a-b1-b-a1-a-b1-b
- s1-s2-a1-a-b1-b-a1-a-
- s1-s2-a1-a-b1-b-
- Todo mal!
- ClassCastException is thrown

Check the answer of this question online at QuizOver.com:

Question: [serialization objects \(constructors and initialization blocks\)](#)

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