

Certification

SCJP/OCJP

Mock Exceptions

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1. Exceptions

4. Chapter: Exceptions

1. Exceptions Questions

4.1.1. What is the expected output?

Author: JavaChamp Team

What is the expected output?

```
import java.io.IOException;

class Father {
    public Father() throws IOException {
        System.out.print("Father");
        throw new IOException();
    }
}

class Son extends Father {
    public Son() throws IOException {
        System.out.print("Son");
    }
}

public class Tester {
    public static void main(String[] args) {
        try {
            new Son();
        } catch (IOException e) {
            System.out.print("Inside catch");
        }
    }
}
```

Please choose only one answer:

- Compile error, constructors can't throw Exceptions
- FatherSon
- FatherInside catch
- Father, then an IOException is thrown
- Son
- SonInside catch

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4.1.2. What is the expected output of compiling and running this code?

Author: Yasser Ibrahim

What is the expected output of compiling and running this code?

```
class Father {
public Father() throws RuntimeException {
    System.out.print("Father");
    throw new RuntimeException();
}
}

class Son extends Father {
public Son() throws RuntimeException {
    System.out.print("Son");
}
}

public class Tester {
public static void main(String[] args) {
    new Son(); // line 17
}
}
```

Please choose only one answer:

- Compile error, an import to java.lang.RuntimeException is required
- Father will be printed then a RuntimeException would be thrown
- Compile error at line 17, new Son() should be within a try/catch block
- Son
- SonFather
- FatherSon

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4.1.3. What is the expected result of compiling and running the following ...

Author: Yasser Ibrahim

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

```
import java.io.IOException;

class AirPlane {
    public AirPlane() {
        System.out.print("AirPlane");
    }
}

class AirJet extends AirPlane {
    public AirJet() throws IOException {
        try {
            throw new IOException();
        } catch (IOException e) {
            System.out.print("IOException is thrown in AirJet");
        }
    }
}

public class Tester {
    public static void main(String args[]) {
        try {
            new AirJet();
        } catch (IOException e) {
            System.out.print("IOException is thrown in Tester");
        }
    }
}
```

Please choose only one answer:

- "AirPlaneIOException is thrown in AirJetIOException is thrown in Tester" will be printed
- "AirPlaneIOException is thrown in AirJet" will be printed
- "AirPlaneIOException is thrown in Tester" will be printed
- Compilation error

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4.1.4. What is the expected output of compiling and running the following ...

Author: JavaChamp Team

What is the expected output of compiling and running the following code?

```
import java.io.IOException;

class AirPlane {
    public AirPlane() throws IOException, RuntimeException {
        System.out.println("AirPlane");
    }
}

class AirJet extends AirPlane { } // line 7

public class Tester {
    public static void main(String args[]) throws IOException { // line 10
        new AirPlane(); // line 11
    }
}
```

Please choose only one answer:

- AirPlane
- Compile error at line 7, AirJet must declare a constructor that throws IOException or any of its supertypes
- Compile error at line 10, main() must throw also RuntimeException
- Compile error at line 11 ,new AirPlane() must be within try/catch block

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4.1.5. What is the expected output?

Author: Yasser Ibrahim

What is the expected output?

```
interface Foldable {
    public void fold() throws Exception ;
}

class Paper implements Foldable {
    public void fold() { // line 6
        System.out.print("Fold");
    }
}

public class Tester {
    public static void main(String args []) {
        Foldable obj1 = new Paper();
        obj1.fold(); // line 8
        Paper obj2 = new Paper(); // line 10
        obj2.fold();
    }
}
```

Please choose only one answer:

- FoldFold
- Compilation error at line 6, fold() must declare at header throws Exception
- Compilation error at line 8, unhandled exception
- RuntimeException at line 8
- Compilation error at line 10, unhandled exception

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4.1.6. 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?

```
public class Tester {
    public static void main(String[] args) {

        System.out.print("1");
        try {
            System.out.print("2");
            System.exit(0);
        } finally {
            System.out.print("3");
        }
    }
}
```

Please choose only one answer:

- 123
- 12
- Compilation error , there should be at least one catch before finally

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4.1.7. 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?

```
public class Tester {
public static void main(String[] args) {

System.out.print("1");
try {
return;
} catch (Exception e) {
System.out.print("2");
} finally {
System.out.print("3");
}
System.out.print("4");
}
}
```

Please choose only one answer:

- 1234
- 13
- 1
- Compilation error

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4.1.8. What is the result of compiling and running the following program?

Author: JavaChamp Team

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

```
public class Tester {  
    public static void main(String[] args) {  
        try {  
            throw new RuntimeException();  
        } catch (RuntimeException e) {  
            System.out.println("RuntimeException");  
        } catch (ArithmeticException e) {  
            System.out.println("ArithmeticException");  
        } catch (Exception e) {  
            System.out.println("Exception");  
        }  
    }  
}
```

Please choose only one answer:

- "RuntimeException" is printed
- "Exception" is printed
- "ArithmeticException" is printed
- Compilation error

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

Question: [How to write java try catch statement?](#)

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4.1.9. 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?

```
public class Tester {  
  
    static void method() throws Exception {  
        throw new Exception();  
    }  
  
    public static void main(String[] args) {  
  
        try {  
            method();  
        } catch (Throwable e) {  
            try {  
                throw new Exception() ;  
            } catch (Exception ex) {  
                System.out.print("exception");  
            } finally {  
                System.out.print("finally");  
            }  
        }  
    }  
}
```

Please choose only one answer:

- "exception" is printed
- "finally" is printed
- "exceptionfinally" is printed
- Compilation error

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Question: [How to write java nested try catch?](http://www.quizover.com/question/how-to-write-java-nested-try-catch?pdf=3044)

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4.1.10. 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?

```
public class Tester {  
  
    static void method(){  
        throw new Exception();  
    }  
  
    public static void main(String[] args) {  
  
        try {  
            method();  
        } catch (Throwable e) {  
            try {  
                throw new Exception() ;  
            } catch (Exception ex) {  
                System.out.print("exception");  
            } finally {  
                System.out.print("finally");  
            }  
        }  
    }  
}
```

Please choose only one answer:

- exception
- finally
- exceptionfinally
- Compilation error

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4.1.11. The following code contains compilation errors, what of the followi...

Author: JavaChamp Team

The following code contains compilation errors, what of the following possible solutions (made together) can be done to remove these errors, putting in mind that all necessary imports will be added automatically?

```
import java.io.File;
import java.text.DateFormat;
import java.util.Date;

public class Tester {

    static void call() { // line 3
        File file = new File("javachamp.dat"); //line 4
        file.createNewFile(); // line 5
        throw new IllegalArgumentException(); // line 6
    }

    public static void main(String[] args) {

        call(); // line 11
        DateFormat df = DateFormat.getDateInstance(); // line 12
        Date parse = df.parse("12.11.2009"); // line 13
    }
}
```

Please choose all the answers that apply:

- Add throws IOException declaration to call() at line 3
- Add throws FileNotFoundException declaration to call() at line 3
- Add throws IllegalArgumentException declaration to call() at line 3
- Surround code from line 11 to 13 with try { } catch (IOException e) {} block
- Surround code from line 11 to 13 with try { } catch (Exception e) {} block

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4.1.12. 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?

```
public class Tester {  
  
    public static void main(String[] args) {  
        String stmt = "javachamp 2009";  
        String[] arr = stmt.split(" ");  
        try {  
            int x = Integer.parseInt(arr[1]);  
            System.out.print(x);  
        } finally {  
            System.out.print("finally");  
        }  
    }  
}
```

Please choose only one answer:

- 2009
- finally
- 2009finally
- No output will be produced
- Compilation error

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4.1.13. 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?

```
public class Tester {  
  
    public static void main(String[] args) {  
        String stmt = "javachamp 2009";  
        String[] arr = stmt.split(" ");  
        try {  
            int x = Integer.parseInt(arr[0]);  
            System.out.print(x);  
        } catch (Exception e) {  
            System.out.print("catch");  
        } finally {  
  
            System.out.print("finally");  
        }  
    }  
}
```

Please choose only one answer:

- 2009
- 2009finally
- catchfinally
- No output will be produced
- Compilation error
- 2009catchfinally

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4.1.14. In which case a NoClassDefFoundError will be thrown?

Author: JavaChamp Team

In which case a NoClassDefFoundError will be thrown?

Please choose only one answer:

- When try to compile a non found java file
- When try to run a non found java .class file
- When try to compile a non found java file or try to run a non found java .class file

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Question: [When java NoClassDefFoundError is thrown?](#)

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4.1.15. What is the output of the following code

Author: Pedro Kowalski

What is the output of the following code

```
public class Tester {  
  
    public static void main(String[] args) {  
        Double d = -4.0;  
  
        try {  
            d /= 0;  
        } catch (ArithmeticException e) {  
            System.out.println("EXCEPTION!");  
        } finally {  
            System.out.println(d);  
        }  
    }  
}
```

Please choose only one answer:

- NotANumber
- NaN
- EXCEPTION! -4.0
- -Infinity
- EXCEPTION! 0.0
- Compilation fails

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