

EXCEPTION HANDLING

1

```
public class Sleep {  
    public static void snore() {  
        try {  
            String sheep[] = new String[3];  
            System.out.print(sheep[3]);  
        } catch (RuntimeException e) {  
            System.out.print("Awake!");  
        } finally {  
            throw new Exception(); // x1  
        }  
    }  
    public static void main(String... sheep) { // x2  
        new Sleep().snore(); // x3  
    }  
}
```

- ☐ The code does not compile because of line x2.

- ☒ The code does not compile because of line x1.

- ☐ Awake!, followed by a stack trace

- ☐ The code does not compile because of line x3

5. What is the output of the following application?

```
package game;  
public class Baseball {  
    public static void main(String... teams) {  
        try {  
            int score = 1;  
            System.out.print(score++);  
        } catch (Throwable t) {  
            System.out.print(score++);  
        } finally {  
            System.out.print(score++);  
        }  
        System.out.print(score++);  
    }  
}
```

☐ 12

☒ 123

☐ None of the above

☐ 124

Incorrect

Fill in the blanks:

The _____ keyword is used in method declarations, while the _____ keyword is used to throw an exception to the surrounding process.

☐ throws, catch

☐ throw, throws

☒ throws, throw

☐ catch, throw

Correct

Fill in the blanks:

A try statement has _____finally block(s)
and
_____catch blocks.

☐ zero or one, zero or one

☐ zero or one, zero or more

☐ one or more, zero or one

☒ one, one or more

Incorrect

What is the result of compiling and executing the following application?

```
public class Remember {  
    public static void think() throws Exception { // k1  
        try {  
            throw new Exception();  
        }  
    }  
    public static void main(String... ideas) throws  
Exception {  
        think();  
    }  
}
```

- ☐ The code does not compile because of line k1
- ☐ The code compiles but a stack trace is printed at runtime.
- ☐ The code compiles and runs without printing anything.

☒ The code does not compile for another reason.

Correct

What will be the output of the following Java program?

```
class Exception_handling {  
    public static void main(String args[]) {  
        try {  
            System.out.print("Hello" + " " + 1 / 0);  
        }  
        catch(ArithmeticException e) {  
            System.out.print("World");  
        }  
    }  
}
```

☐ Hello World

☐ Hello

☐ World

☒ HelloWorld

Incorrect