

### Pregunta 1

What will the following code fragment print?

```
Path p1 = Paths.get("\\personal\\readme.txt");  
Path p2 = Paths.get("\\index.html");  
Path p3 = p1.relativeTo(p2);  
System.out.println(p3);
```

- A. \index.html
- B. \personal \index.html
- C. personal \index.html
- D. ..\..\index.html

## Pregunta 2

Given:

```
Path p1 = Paths.get("c:\\temp\\test1.txt");
```

```
Path p2 = Paths.get("c:\\temp\\test2.txt");
```

Which of the following code fragments moves the file test1.txt to test2.txt, even if test2.txt exists? (choose 2)

A. `Files.move(p1, p2);`

B. `try(Files.move(p1,p2)){}`

C. `Files.move(p1, p2, StandardCopyOption.REPLACE_EXISTING);`

D. `try(Files.copy(p1, p2, StandardCopyOption.REPLACE_EXISTING)){ Files.delete(p1); }`

E. `Files.copy(p1, p2, StandardCopyOption.REPLACE_EXISTING); Files.delete(p1);`

### Pregunta 3

What will the following code fragment print?

```
Path p1 = Paths.get("temp\\..\\level\\..\\files\\a.txt");
```

```
Path p2 = p1.normalize();
```

```
Path p3 = p1.relativeTo(p2);
```

```
Path p4 = p2.relativeTo(p1);
```

```
System.out.println(
```

```
    p1.getNameCount()+" "+p2.getNameCount()+" "+
```

```
    p3.getNameCount()+" "+p4.getNameCount());
```

A. 6 4 10 10

B. 7 4 11 10

C. 7 3 8 9

**D. 6 3 1 1**

#### Pregunta 4

Given:

```
String INPUT_FILE = "c:\\tempo\\src\\path.end\\screen.java";
```

Assuming the file exists, which of the following options will print the contents of the file?

(2)

- A. `Files.lines(INPUT_FILE).forEach(System.out::println);`
- B. `Stream<String> lines = Files.lines(Paths.get(INPUT_FILE));`  
`lines.forEach(System.out::println);`
- C. `Stream<String> lines = Files.readAllLines(Paths.get(INPUT_FILE));`  
`lines.forEach(System.out::println);`
- D. `List<String> lines = Files.readAllLines(Paths.get(INPUT_FILE));`  
`lines.forEach(System.out::println);`
- E. `List<String> lines = Files.lines(Paths.get(INPUT_FILE));`  
`lines.forEach(System.out::println);`
- F. `String[] stra = Files.readLines(Paths.get(INPUT_FILE));`  
`for(String s: stra) System.out.println(s);`

### Pregunta 5

Given:

```
Path current=Path.of("c:\\temp\\exam\\temp.txt");
Path output=Path.of("c:\\temp\\exam\\new.txt");
Path dir=Path.of("c:\\temp");
Files.copy(current, output);
Files.copy(output, dir);
Files.delete(output);
```

The c:\temp\exam\temp.txt file exists. The c:\temp\exam\new.txt and c:\temp\new.txt files do not exist.

What is the result?

- A. c:\temp\exam\new.txt and c:\temp\new.txt are deleted.
- B. The program throws a `FileAlreadyExistsException`.
- C. The program throws a `NoSuchFileException`.
- D. A copy of new.txt exists in the c:\temp directory and c:\temp\exam\new.txt is deleted.