

1. The Kotlin code is compiled to:

- a) Java source code
- b) Java byte code

2. Does the following code compile? If not, what's the error?

```
var string = 1
string = "a"
```

3. Does the following code compile? If not, what's the error?

```
val languages = listOf("Java")
languages.add("Kotlin")
```

4. What will be printed? _____

```
println(listOf('a', 'b', 'c').joinToString(
    separator = "", prefix = "(", postfix = "))")
```

5. What will be printed (a, b or c)?

```
fun foo(): String {
    println("Calculating foo...")
    return "foo"
}

fun main(args: Array<String>) {
    println("First ${foo()}, second ${foo()}")
}
```

- a) Calculating foo...
First foo, second foo
- b) Calculating foo...
Calculating foo...
First foo, second foo
- c) First Calculating foo...
foo, second Calculating foo...
foo

6. What will be printed?

```
println("Kotlin" in "Java".."Scala")
println("Kotlin" in setOf("Java", "Scala"))
```

7. Rewrite the following Java code into Kotlin:

```
for (char c = '0'; c < '9'; c++) {
    System.out.print(c);
}
```
