

## PL190μ Introduction to the Go Programming Language

### Quizz 1: Go programming

This assessment evaluates the following competencies:

- GP001 – Correctly use the syntax of Go programming (+1)
- GP101 – Write, compile and execute a single source file Go program with the command line (+1)
- GP002 – Use basic built-in data structure: array, slice and map (+1)

Three affirmations are given for each assessed competency. For each of them, you have to decide whether it is true or false. To get a star for the competency, you must have the correct answer for the three affirmations.

GP001	True	False
It is possible to declare and initialise a local variable without explicitly specifying its type.	<input type="checkbox"/>	<input type="checkbox"/>
It is impossible to declare a variable outside a function.	<input type="checkbox"/>	<input type="checkbox"/>
The default value for a string variable that is just declared is <code>nil</code> .	<input type="checkbox"/>	<input type="checkbox"/>

GP101	True	False
A Go source code file can be directly executed, without a prior compilation, with the <code>go run</code> command.	<input type="checkbox"/>	<input type="checkbox"/>
The <code>go run main.go</code> command compiles and directly executes the Go program defined by the <code>main.go</code> source code file.	<input type="checkbox"/>	<input type="checkbox"/>
The Go tool has a command that automatically formats the source code according to Go formatting rules.	<input type="checkbox"/>	<input type="checkbox"/>

GP002	True	False
Once declared and initialised, the size of a slice cannot be changed anymore.	<input type="checkbox"/>	<input type="checkbox"/>
A map can have several keys with different types.	<input type="checkbox"/>	<input type="checkbox"/>
Given an array <code>data</code> , modifying the values of a slice obtained with <code>data[:]</code> also changes the values in <code>data</code> .	<input type="checkbox"/>	<input type="checkbox"/>