W03 Quiz: Testing and Fixing Functions

- Fecha de entrega 23 de ene en 23:59
- Puntos 10
- Preguntas 10
- Disponible hasta el 6 de feb en 23:59
- Límite de tiempo Ninguno
- Intentos permitidos 3

Instrucciones

- **Purpose:** Check your understanding of the topic of this week by taking a short quiz.
- **Task:** Submit the quiz.
- **Conditions:**
  - You may use the course materials and your notes while taking the quiz.
  - You can take this quiz up to three times, so if you get any questions wrong, refer back to the learning activities, then take the quiz again.

> [Volver a realizar el examen]

Historial de intentos

	Intento	Hora	Puntaje
MANTENER	**Intento 2**	2 minutos	10 de 10
MÁS RECIENTE	**Intento 2**	2 minutos	10 de 10
	Intento 1	53 minutos	8 de 10

ⓘ Las respuestas correctas están ocultas.

Puntaje para este intento: 10 de 10
Entregado el 6 de feb en 22:46
Este intento tuvo una duración de 2 minutos.

Pregunta 1
1 / 1 pts

Select the statement that is true about an **assertion** statement.

○ it causes the computer to check if a comparison is present

◉ it causes the computer to check if a comparison is true

○ it causes the computer to check if a comparison is false

○ it causes the computer to check if a comparison is absent

Pregunta 2
1 / 1 pts

Which python module is use to write and run test functions?

○ validate

◉ pytest

○ assert

○ testpy

Pregunta 3

1 / 1 pts

Which function is useful when testing equality of floating point numbers?

◉ approx

○ round

○ test

○ fequal

Pregunta 4

1 / 1 pts

Which of the following are good design principles when writing test functions.

☑
protect your main code from running when imported by adding code similar to this

```
if __name__ == "__main__":
    main()
```

☑ Separate test code from program code.

☑ import your program code into your test code with the import statement

☐ Combine test code and program code in the same file.

Pregunta 5

1 / 1 pts

Test functions must have at least _____assert statements.

○ 3

◉ 1

○ 2

○ 0

Pregunta 6

1 / 1 pts

Mistyping the name of a function would cause a _____ error.

◉ syntax

○ logic

○ conversion

○ assertion

⠿

Pregunta 7

1 / 1 pts

A good way to help you debug logic errors is to temporarily include print statements to see what value a variable contains at that point in your code.

◉ True

○ False

⠿

Pregunta 8

1 / 1 pts

Which of the following features can be accomplished with the debugger in VSCode

☑ Inspect the value of variables while debugging by hovering the mouse cursor over the variable name.

☑ Set breakpoints where the program will pause execution so you can interact with the debugger.

☑ Automatically watch variables.

☑ Step through code while it is running.

⠿

Pregunta 9

1 / 1 pts

You are debugging a program and execution reaches a breakpoint on a line of code that calls a user defined function. You are fairly confident that the user defined function is correct and don't want to see all of the statements in the user defined function. What would be the best action to take?

◉ Step Over

○ Step Into

○ Step Out

○ Continue

⠿

Pregunta 10

1 / 1 pts

Your program calculates miles per gallon. The mpg result is not correct. This is an example of a _____ error.

◉ logic

○ syntax

○ calculation

○ security

Puntaje del examen: 10 de 10