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Module 4 Quiz

Latest Submission Grade 100%

1. What is polymorphism? **1 / 1 point**

- ○ When two things share properties in common.
- ○ When the definition of a class changes over time.
- ○ When multiple objects have distinct methods.
- ◉ When one thing can have multiple forms.

Correct
Correct!

2. Which of the following statements is true? **1 / 1 point**

- ○ Inheritance and overriding are required for polymorphism.
- ◉ Inheritance and overriding enable polymorphism.
- ○ Overriding is necessary for inheritance.
- ○ Inheritance is necessary for overriding.

Correct
Correct!

3. If a type satisfies an interface, which of the following statements is true? **1 / 1 point**

- ◉ The type defines all **methods** specified in the interface.
- ○ The type defines all **data** specified in the interface.
- ○ The type defines a **method** specified in the interface.
- ○ The interface includes a definition of the type.

Correct
Correct!

4. Which of the following statements is true? **1 / 1 point**

- ○ A concrete type is always a dynamic **type**.
- ○ An interface always has a dynamic **value**.
- ◉ An interface always has a dynamic **type**.

- ◯ An interface type is the same as a dynamic type.

Correct
Correct!

5. Which of the following statements is/are true? **1 / 1 point**

I. Interfaces can support abstraction by concealing differences between types.

II. Type assertions can reveal differences between type satisfying an interface.

Iii. Type assertions return two values.

- ◯ I and II but NOT III.
- ◯ II and III but NOT I.
- ◯ I and III but NOT II.
- ◉ I, II, and II

Correct
Correct!

6. What is a use for an empty interface? **1 / 1 point**

- ◯ It allows two interfaces to be merged into one.
- ◯ It allows a function to accept a variable number of arguments.
- ◉ It can be used to allow a function to accept any type as a parameter.
- ◯ An empty interface cannot exist in Go.

Correct

7. After executing the expression below, what is the value of **err** if there is no error? **1 / 1 point**

f, err := os.Open("/harris/test.txt")

- ◉ nil
- ◯ 0
- ◯ -1
- ◯ -2

Correct
Correct!