

## Module 4 Quiz

Quiz, 7 questions

7/7 points (100%)



# Congratulations! You passed!

[Next Item](#)

1 / 1  
point

1.

What is polymorphism?



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!

## Module 4 Quiz

Quiz, 7 questions

1 / 1  
point

7/7 points (100%)

2.

Which of the following statements is true?

- ☐ Inheritance and overriding are required for polymorphism.
- ☒ Inheritance and overriding enable polymorphism.

**Correct**

Correct!

- ☐ Overriding is necessary for inheritance.
- ☐ Inheritance is necessary for overriding.

1 / 1  
point

3.

If a type satisfies an interface, which of the following statements is true?

- ☒ The type defines all **methods** specified in the interface.

**Correct**

Correct!

- ☐ 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.

## Module 4 Quiz

Quiz, 7 questions

1 / 1  
point

**7/7 points (100%)**

4.

Which of the following statements is true?

- ☐ A concrete type is always a dynamic **type**.
- ☐ An interface always has a dynamic **value**.
- ☒ An interface always has a dynamic **type**.



**Correct**

Correct!

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

## Module 4 Quiz

Quiz, 7 questions

1 / 1  
point

**7/7 points (100%)**

5.

Which of the following statements is/are true?

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 III



**Correct**

Correct!

## Module 4 Quiz

Quiz, 7 questions

1 / 1  
point

7/7 points (100%)

6.

What is a use for an empty interface?

- ☐ 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.

**Correct**

- ☐ An empty interface cannot exist in Go.

1 / 1  
point

7.

After executing the expression below, what is the value of **err** if there is no error?**f, err := os.Open("/harris/test.txt")**

- ☒ nil

**Correct**

Correct!

- ☐ 0
- ☐ -1
- ☐ -2

## Module 4 Quiz

**7/7 points (100%)**

Quiz, 7 questions

---

