

Advanced Swift Quiz

Total points 6

1.Question 1

Which of the following is possible with closures? (Choose all that apply)

1 point

- ☒ Define A function that returns a function.
- ☒ Define A function that takes two functions and returns another function
- ☒ Define A function that takes a function and calls it after a period of time.
- ☒ Define A class with a property with the type of a function

2.Question 2

What will happen if you try to unwrap an Optional that contains nil like so:

```
let noValue:Int? = nil
let unwrappedValue = noValue!
```

1 point

- ☐ unwrappedValue will be of type Int and contain 0
- ☐ unwrappedValue will be of type Int? and contain nil
- ☐ The compiler will error and you won't be able to run the code
- ☒ The code will run but crash on the second line

3.Question 3

When might you use a computed property instead of a stored property?

1 point

- ☒ When the value of the property can be directly computed from another property
- ☐ When the value of the property needs to be kept in memory as for as long as the class lives
- ☐ When the value of the property to only be computed when it is first accessed
- ☐ When the property only stores integers.

4.Question 4

What is the return type of the following closure:

```
let closure = { (item1: Int, item2: Int) => Int  
    // Implementation  
}
```

1 point

- ☐ Int
- ☐ Double
- ☐ Void (No return value)
- ☒ Bool

5.Question 5

Which of the following is an accurate analogy for an Optional that has been assigned a value of nil?

1 point

- ☐ A burrito.
- ☐ A gift box with a gift in it.
- ☒ A gift box with nothing in it.
- ☐ An empty gift box inside a larger gift box wrapped in striped wrapping paper.
- ☐ A gift box with a cat inside it that is alive and dead at the same time.

6.Question 6

What is your favourite feature of Swift so far?

1 point

Write Your Own!