

Swift Basics Quiz

Total points 9

1.Question 1

What is the exact type of x in the following declaration:

```
let x = 1
```

1 point

- ☐ This code does not compile!
- ☐ Double
- ☒ Int
- ☐ UInt

2.Question 2

What is the exact type of x in the following declaration:

```
let x: Double = 1
```

1 point

- ☐ This code does not compile!
- ☒ Double
- ☐ Float
- ☐ Int

3.Question 3

What is the exact type of x in the following declaration:

```
let x: Int = 1.1
```

1 point

- ☐ Float
- ☐ Int
- ☐ Double

- ☒ This code does not compile.

4.Question 4

Which of the following if fragments has correct syntax and will compile? (choose all that apply)

1 point

<input checked="" type="checkbox"/>	<pre>let c = 1 if c == 0 { print ("true") }</pre>
<input type="checkbox"/>	<pre>let c = 1 if c == 0 { print ("true") }</pre>
<input checked="" type="checkbox"/>	<pre>let c = true if (c) { print ("true") }</pre>
<input type="checkbox"/>	<pre>let c = 1 if (c == 1) print ("true")</pre>

5.Question 5

What are the numbers printed by the following statement?

<pre>for i in 0..<5 { print(i) }</pre>

1 point

- ☒ 0 1 2 3 4
☐ 1 2 3 4 5
☐ 1 2 3 4
☐ 0 1 2 3 4 5

6.Question 6

What is the valid syntax for calling the following function:

<pre>func add(a: Int, to b: Int) -> Int { return a + b }</pre>

1 point

- ☐ add(10, b: 10)
- ☐ add()
- ☒ add(10, to: 10)
- ☐ add(a: 10, to: 10)

7.Question 7

Which of the following define valid Swift arrays? (choose all that apply)

1 point

<input checked="" type="checkbox"/>	<pre>func add(a: Int, to b: Int) -> Int { return a + b }</pre>
<input checked="" type="checkbox"/>	<pre>func add(a: Int, to b: Int) -> Int { return a + b }</pre>
<input type="checkbox"/>	<pre>func add(a: Int, to b: Int) -> Int { return a + b }</pre>
<input checked="" type="checkbox"/>	<pre>let array = [Int]()</pre>
<input checked="" type="checkbox"/>	<pre>let array = [Int]()</pre>

8.Question 8

When should you use var to declare a variable over let?

1 point

- ☒ When it needs to be mutated.
- ☐ When you need to store a primitive type such as Int
- ☐ When you need to access the value later
- ☐ When you need it to be constant

9.Question 9

What is your favorite feature of Swift so far?

1 point

Write your own here!