1. Create a Swift constant double.

2. Create a Swift variable String and store the name “Mike”.

3. Check to see if your string is equal to the string “Mary”.

4. Create a Swift variable integer, assign a constant to it.

5. Convert this Java code to Swift.

```java
int a = 123;
double b = 0.456;
double c = a + b;
```

6. This Swift code has an error, correct it.

```swift
let num:CGFloat = 17.4
var dnum:Double = 7.8
let result = dnum * num
```

7. Write the Swift code to assign and then compare two Strings.
9. For the following Swift code:

```swift
let a = "AB"
let b = "C"
let c = "CA"
let d = "AB"
```

Write correct `true/false` boolean for the following, explain why…

- `a == b`
- `a == d`
- `a != c`
- `a > b`
- `a < c`

10. Convert this Java code (enumerated type) to Swift

```java
enum Color {RED, ORANGE, GREEN, BLUE }
public static void main(String[] args)
{
    Color barn = Color.RED;
    System.out.println("The barn's color is " + barn);
    System.out.println("The barn's color number is " + barn.ordinal());
}
```
11. Convert this Java code to Swift

**Java: (Arrays)**

```
var days = ["Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday"];

int[] integers = {1, 2, 3};
```

**Swift code:**

```
var days = ["Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday"];

let integers = [1, 2, 3];
```

12. Create a dictionary in Swift that assigns 1 to "Red", 2 to "Green" and 3 to "Blue".

a) Show how to Modify a dictionary?

b) Show how to remove an element from the dictionary?

c) Get the number of key-value pairs in dictionary?

13. Write an "if else statement" in Swift.

14. Create a "for loop" that prints 1 to 7 inclusively.
15. Create a "while loop" that prints 5 to 10 inclusively.

16. Create a "do while" loop that prints 10 to 1 inclusively.

17. Create a Swift Function that takes in the width and height of a rectangle and returns area. All variables should be double.