

Name: _____

Swift: While Loops and For Loops

Part 1: Translate While Loops to For Loops

First, read through the following code that uses a while loop.

Then, rewrite the code to use a for loop, ensuring that it would produce the same output.

```
var i = 0
while i < 100 {
    print(i * i)
    i += 2
}
```

Solution:

Part 2: Translate For Loops to While Loops

First, read through the following code that uses a for loop.

Then, rewrite the code to use a while loop, ensuring that it would produce the same output.

```
var squares: [Int] = []
for i in 0..<10 {
    squares.append(i*i)
}

for square in squares {
    print(square)
}
```