Practice Quiz 4

1. Show the output produced by the while loop below. Then convert this while loop into an equivalent for loop.

```
i = 0
while i < 100:
    print i
    i += 10</pre>
```

2. Show the output produced by the for loop below. Then convert this for loop into an equivalent while loop.

```
for i in range(0, 10, 2):
    print i
```

3. Write a function called getYesOrNo that, given a question (in the form of a string), asks the user the question and returns True if they enter y and False if they enter n. Any other input from the user should result in the question being asked again. For example calling

```
getYesOrNo("Do you want to play again? ")
```

could result in the following interaction interaction with the user, which would return True.

```
Do you want to play again? maybe Please enter 'y' or 'n'
Do you want to play again? ok
Please enter 'y' or 'n'
Do you want to play again? y
```

4.	Write a function called getValues that asks the user to enter a series of numbers, and then returns the numbers as a list. The function should continue asking for numbers until the user enters -1. You can assume the user provides valid numerical input. For example, calling getValues() could result in the following interaction with the user, which would return the list [45, 12, 90, 76].
	Enter a value: 45 Enter a value: 12 Enter a value: 90 Enter a value: 76 Enter a value: -1
5.	Write a function called printComments that is passed the name of a file as a string, opens the file, and
	prints out every line in the file that starts with a pound sign $(\#)$.
6.	You have seen two search algorithms: linear and binary. When should you use linear search? When should you use binary search? Which is more efficient?