Study

Read chapter 13 of the following book:

Learning Python:
http://www.dsf.unica.it/~fiore/LearningPython.pdf

Then answer the quiz in page 414

Serious exercises

Exercise 1: Write a program to check whether a number is a prime number

```
huynqs-MacBook-Pro-250:while huynq$ python check_prime.py
Enter a number: 37
37 is a prime number
huynqs-MacBook-Pro-250:while huynq$ python check_prime.py
Enter a number: 24
24 is not a prime number
```

Exercise 2: Modify the username password in previous session to allow users login at maximum 3 times

```
huynqs-MacBook-Pro-250:while huynq$ python login_with_counter.py
Hi there, this is a superuser gateway
Username: 123
You are not superuser
Username: c4e
Password: 512
Password is incorrect
Username: c4e
Password: 553
Password is incorrect
You filed to log in 3 times, go away
```

Exercise 3 (Optional): Modify `guess_my_number.py` to the opposite scenario, you think of a number and then the program takes a guess, then you tell it where its guess is correct, smaller or larger than the number you're thinking

```
Guess your number game
Now think of a number from 0 to 100, then press 'Enter'
All you have to do is to answer to my guess
'c' if my guess is 'C'orrect
's' if my guess is 'S'maller than your number
'l' if my guess is 'L'arger than your number
Is 50 your number?s
Is 75 your number?l
Is 62 your number?s
Is 68 your number?c
I knew it
```