



## *Serious exercises*

1. Using while loop to
  - a. Print the square of the first 15 odd positive integers.
  - b. Repeats a block of code as long as the user indicates they want it to

```
huynqs-MacBook-Pro-259:u_p_validation admin$ python up_validation.py

Type exit to escape
Your input: abc
Your input: you
Your input: exit
huynqs-MacBook-Pro-259:u_p_validation admin$
```

2. Implement guess my number game:

```
huynqs-MacBook-Pro-259:while admin$ python guess_my_number.py
Guess my number (1-100)? 50
Too small :(
Guess my number (1-100)? 75
A little too large :(
Guess my number (1-100)? 60
A little too large :(
Guess my number (1-100)? 55
A little too large :(
Guess my number (1-100)? 53
A little too large :(
Guess my number (1-100)? 52
A little too large :(
Guess my number (1-100)? 51
Bingo
```

3. [OPTIONAL] Use **while** to count a **number's** digits

```
huynqs-MacBook-Pro-259:u_p_validation admin$ python digit_count.py
Enter a number: 56
Digit count: 2
huynqs-MacBook-Pro-259:u_p_validation admin$ python digit_count.py
Enter a number: 12678
Digit count: 5
```