Loops
CS 101 – Spring 2018
The **while** loop

As with conditional statements, this takes a conditional statement — one that evaluates to either **True** or **False**

```python
while condition:
    statement 1
    statement 2
    ...
```

Like functions and conditionals, loops use **blocks** using colons and indentation. If the condition is **True**, all of the statements in the block will be executed. When the end of the block is reached, the conditional will be checked again. If it is still **True**, the process will repeat.

One of these statements must have the ability to change the condition, or this is an **infinite loop**.
The **for** loop

**for** variable **in** sequence:

statement 1

statement 2

...
Loops / Iteration

Use a **while** loop: to continue doing something an unspecified number of times

Use a **for** loop: to iterate over a collection or do something a specific number of times