# Python Chapter 2: Arrays and For Loops

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# Basic Array

Here we will discuss the most basic example of an array in python.

x = [1,2]

x[0] # this will return 1

x[1] # this will return 2

# Basic iterating loop

Now here is how we would iterate through each item in a loop

x = [1,2]

```
for number in x:

        print(number)
```

# Basic iterating loop with range

If we want to iterate over a range of numbers, we can utilize the range function. Which takes in a range(start, stop, step)

```
for i in range(10):
    print(i)
```

# Looping exercise

Print a countdown starting from 10, and once it hits zero, print blastoff.

Also, try to have the program wait inbetween countdowns. Hint, look at the python sleep function in the python docs: (https://docs.python.org/3/library/time.html) You will need an "import time" at the top of your python file