

Number of Times

Goal

A user can enter a word or number that appears in a list and the program returns the number of times the word or number appears in the list.

Your program will do the following:

- Read in a text file with a list of words or numbers
- Allow the user to input a word or number from the list
- Return the number of times the number or word appears in the list

The program will be split into 3 functions:

- `file_reader()`

This function will read in the contents of the text file, store it in an array and return it.

- `welcome_user()`

This function will welcome the user, input the element that will be counted in the list and return that number

- `number_of_times()`

This function will count the number of times the element appears in the list and print it out to the user.

Below is the skeleton for the code:

```
def file_reader():  
  
def welcome_user():  
  
def number_of_times(element,arr):  
  
arr = file_reader()  
element = welcome_user()  
number_of_times(element,arr)
```

Create a file named **number_of_times.py** and copy and paste the above code into it.

Team work

You will be divided into teams of four for this project. The project will be split into the following tasks

- Planning

Decide who will be taking which part of the project and ensure every member of the team understands the project and understands what is expected of them.

- Programming

Each member will write the function that they have been assigned. In order to test your individual function you might have to check up on how far your team member is with their function or write the other functions which will be good practice.

- Pair Programming

Select one member of the team who will be responsible for putting everybody's code together. Schedule a meeting over Hangouts and do [Pair Programming](#).

- Presentation

Put together a poster via [Miro](#) that includes the following points:

- a) The overall point of the game
- b) The purpose of each function
- c) Your strengths as a team
- d) Your weakness
- e) What you have learnt over the Bootcamp and how you applied it to your work.