

# File I/O

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# Exercise 1: Definitions

What's a binary file? A text file?

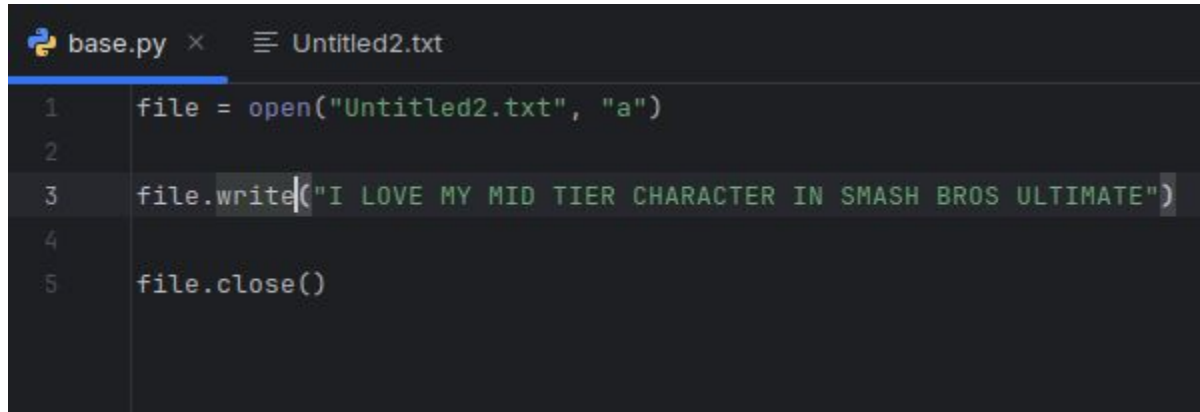
What's a tabular file? A list file?

## Exercise 2: Reading a file

```
main.py  Untitled2.txt  +
1  This is my third gum infection this year.
2  My first gum infection was in March.
3  Then, in April.
4  Finally, in May.

main.py  Untitled2.txt  +
1  file = open("Untitled2.txt", "r")
2
3  for line in file:
4      print(line)
```

## Exercise 3: Appending a file



The screenshot shows a code editor with two tabs: 'base.py' (active) and 'Untitled2.txt'. The code in 'base.py' is as follows:

```
1 file = open("Untitled2.txt", "a")
2
3 file.write("I LOVE MY MID TIER CHARACTER IN SMASH BROS ULTIMATE")
4
5 file.close()
```

## Exercise 4: More definitions

What's the difference between append and write mode?

## Exercise 5: File manipulation

Create a file named “rainbow.txt” with seven colors in it, one on each line.

Create a python file. In that file, read rainbow.txt.

Print each color of your rainbow.

Close the file, and re-open it in append mode.

Write “Ultra Instinct Goku” into the file.

Close the file, and see what’s in it.