

Lesson 4: Comments and Python Syntax

Comments

Comments are ways to write notes on your code that don't do anything when code is run. Comments are extremely useful! Comments can be used to...

1. "Comment out" code, or remove it without deleting it
2. Document what a piece of code does, or more importantly, WHY it does it
 - a. This makes maintaining code so so so much easier
3. Insert jokes into code!

In python, comments can be done in two ways:

1. For single line comments, use the # key
2. For multi-line comments, use docstrings: `""" ... """`

```
# This is a single line comment
"""
This is a multi-line
comment
"""
```

F-strings

Throughout this unit, we've used the format method to put variables inside of strings.

```
age = 17
print("Hi, I'm Peter. I'm {} years old.".format(age))
```

This type of string formatting is generally used across Python and important to know. However, as of version 3.6, Python introduced f-strings, which are easier (and cooler) ways to format strings. I'll generally use this format from here on out:

```
age = 17
print(f"Hi, I'm Peter. I'm {age} years old.")
```

1. We start an f-string by placing and **f** before the quotation block (""")
2. To format variables inside the string we still use curly braces ({}), but now we also put the variable name inside of them (ex: **{age}**)