Chapter 1

Zybooks

Basic Input and Output

print and input

Classic Hello World program

- print("Hello World")
- print('Hello World')
- Consists of
  - print function: print()
  - string to be printed (both "Hello World" and 'Hello World' are string in Python)

Take it up a notch by adding input

x = input("Enter your age: ")

y = input("Enter your name: ")

- Both statements
  - print the string inside the quotation marks to the screen
  - wait for the user to enter the requested data
  - read the data in as a string
  - store the data into a variable

Echo the data to the screen

- Means print to the screen what you read in (helps with debugging)

x = input("Enter your age: ")

y = input("Enter your name: ")

print("Hello", y)

print("You are my", x, "year old friend.")

Exercise

- Ask the user to enter their favorite team and then print it out to the screen.
- What happens if the team's name consists of more than one word?

It reads in the entire team name!

Exercise

- Write a program that asks the user to enter any number between 1 and 10 then print it out.

- What happens if you try to multiply it by 2? Try it and print out the result.

It doesn't do the math!!!

Turn a string into a number

- Cast it using the data type:
  - int
  - float

x = input("Enter a number: ")

y = 2 * int(x)

print(y)