

Python Variables Assignment

Instructions: Complete all exercises below in a single Python file. Test your code to ensure it works!

Exercise 1: Basic Variables

Create variables to store:

- Your name
- Your age
- Your favorite programming language
- Whether you completed today's class (True/False)

Exercise 2: Variable Operations

Create two number variables num1 = 15 and num2 = 4. Calculate and print:

- The sum
- The difference
- The product
- The quotient (division result)

Exercise 3: String Manipulation

Create two variables: first_name and last_name with your actual names. Combine them to create:

- Your full name with a space
- Your name in uppercase letters
- A sentence introducing yourself using f-strings

Exercise 4: User Input

Write a program that asks the user for:

- Their favorite food
- How many times they eat it per week

Then display a summary message with this information.

Exercise 5: Type Conversion

Fix this code by adding proper type conversions:

```
age = "25"
height = 5.8
print("I am " + age + " years old and " + height + " feet tall")
```

Exercise 6: Simple Calculator

Create a temperature converter that:

- Stores a Celsius temperature
- Converts it to Fahrenheit using: $F = (C \times 9/5) + 32$
- Prints both temperatures clearly

Submission:

- Save as your_name_variables.py
- Ensure all code runs without errors
- Submit by Wednesday 4:00pm
- Upload your .py file to Google Classroom and push it to your GitHub repo