Activity 1: "Welcome to Stringville"

1. String Manipulation

```
# Starter string
name = "alice smith"
welcome_message = "Welcome to Stringville!"
```

1. **Capitalize the user's name and surname on the first letter**

   Expected output: `"Alice Smith"`

2. **Extract the first and last name separately**

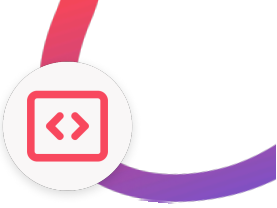
3. **Count how many letters are in the name (excluding spaces)**

4. **Count how many letters are in the welcome message.**

2. String Methods

1. **Check if the name contains the letter 's'**

2. **Replace "Stringville" in the welcome message with another location (e.g., "Python City")**



3. **Capitalize the welcome message.**

   Expected output: `"WELCOME TO STRINGVILLE"`

4. **Lowercase the welcome message.**

   Expected output: `"welcome to stringville"`

5. **Capitalize the first letter of each word in the welcome message**

   Expected output: `"Welcome To Stringville"`

6. **Count how many occurrences of `"i"` happen on the welcome message.**

3. Joining Strings

1. **Create a final welcome message like:**

   "Hello Alice Smith! Welcome to Python City!"

2. **Bonus: Create a multi-line message using `\n`**

Activity 2: Arithmetic Operators – *"Café Calculator"*

1. **You're helping a local café build a simple price calculator.**

```
# Prices of items
coffee_price = 3.5
sandwich_price = 5.75
cookie_price = 1.25

# Number of items a customer wants
coffees = 2
sandwiches = 1
cookies = 3
```

1. **Calculate the total cost of all items purchased**

   (Use + and *)

2. **Calculate the average price of the items bought**

   (Use / and ( ))

3. **Check how many cookies one can buy with $10**

   (Use / /)

4. **Find the leftover money if a customer buys as many cookies as possible with $10**

   (Use %)

Activity 3: Assignment Operators – *"Wallet Tracker"*

1. **Let's track your wallet and the money in it!**

```
# Starting money
wallet = 20.0
```

1. **You drunk a coffee today that costed 3.45€. Subtract coffee cost from wallet using `-=`.**

2. **Someone gave you a present today. Add a gift card value of $10 using `+=`**

3. **You were lucky and found some money in your pockets. Double the value in the wallet using `*=`**

4. **The book you were waiting for came out. Subtract the cost from your wallet as in step 1.**

Activity 4: Comparison Operators – *"Price Check"*

1. **You are working at the cafe today.**

```
# Starting money
wallet = 20.0
```

1. **Check if the customer has enough money to buy one cookie**

   (Use >=).

2. **Check if two coffees cost more than $7**

   (Use > and *)

3. **Check if the cost of one sandwich is equal to two cookies**

   (Use ==)

4. **Check if sandwich is not equal to coffee**

   (Use !=)