

## Junior Knights Week 8 Review Problems

### Part A: Split Strings (Splitex.py)

Write a program that prompts the user to enter their **first name, last name, and age** in a single line, separated by spaces. The program should then print out a greeting.

#### Sample Program Run

Enter your first and last name and your age on a single line.

> **John Doe 25**

Hello, John Doe. You must be 25 years old.

### Part B: Abbreviated Name Formatter (name.py)

Write a Python program that takes a full name as input and returns it in an abbreviated format. The first name and last name should remain unchanged. The middle name(s), if present, should be converted to their first initial followed by a period. Handle suffixes (Jr., Sr., or III.) correctly by keeping them unchanged at the end of the name. Suffixes should remain unchanged at the end.

#### Sample Program Run

Enter your full name:

> **Alice Mary Jane Cooper Jr.**

Formatted name: Alice M. J. Cooper Jr.

### Part C: Movie List Edit (Movies2.py)

Create a movie menu that allows a user to add individuals attending a movie, delete individuals attending a movie, search for a particular person, and print out all people currently going to the movie when the list is closed.

#### Sample Program Run

Please select one of the following menu options.

1. Add a person to the movie list.
2. Delete a person from the movie list.
3. Search for a person in the movie list.
4. Print out all people currently going to the movie.
5. Close the list.

> **1**

Who should we add to the list?

> **John**

Please select one of the following menu options.

1. Add a person to the movie list.
2. Delete a person from the movie list.
3. Search for a person in the movie list.
4. Print out all people currently going to the movie.
5. Close the list.

> 1

Who should we add to the list?

> **Sarah**

Please select one of the following menu options.

1. Add a person to the movie list.
2. Delete a person from the movie list.
3. Search for a person in the movie list.
4. Print out all people currently going to the movie.
5. Close the list.

> 3

Who do you want to check to see is in the list?

> **Jimmy**

Sorry, Jimmy is NOT on the movie list right now.

Please select one of the following menu options.

1. Add a person to the movie list.
2. Delete a person from the movie list.
3. Search for a person in the movie list.
4. Print out all people currently going to the movie.
5. Close the list.

> 3

Who do you want to check to see is in the list?

> **Sarah**

Great, Sarah is going to the movie so far.

Please select one of the following menu options.

1. Add a person to the movie list.
2. Delete a person from the movie list.
3. Search for a person in the movie list.
4. Print out all people currently going to the movie.
5. Close the list.

> 5

Here is the final list of people going to the movie: ['John', 'Sarah']