

CSCI 256 – Programming in Python

Program 3

Fall 2022

Programming Activity

Write a program that gets a string containing a person's first, middle, and last names, and displays their first, middle and last initials. For example, if the user enters John William Smith, the program should display JWS.

Then the program asks the user to enter a 4-digit number, calculates the sum of all the digits. For example, if the user enters 2514, then the sum 12 should be displayed ($2 + 5 + 1 + 4 = 12$). **Hint:** read the number as a *String* and get each individual digit. Check the sample output below.

You can name your program **initialsAndNumberYourLastName.py**

```
# prompt for inputs

# split name and display initials

# calculate and display sum of all digits of the number
```

Sample Output

```
Enter first, middle, and last names, separate with a space: John William Smith
Enter a 4-digit integer: 2514

Your initials: JWS
The sum of all digits is 12
```

Include header comments (i.e., **at the beginning of your file**) formatted as shown below. Your electronic submission of the program file will represent your endorsement of the Honor Code Statement.

```
# Course: CSCI 256, Section 1
# Student Name: Jane Doe
# Student ID: 12345678
# Program 3
# Due Date:

# In keeping with the Honor Code of UM, I have neither given nor
# received assistance from anyone other than the TA or the instructor.

# Program Description:
```

Notice: You need to submit **your program** in Blackboard. Click on **Program 3** link in Bb, click **Browse My Computer**, attach the program, and click **Submit**.