

## Day 10: Strings - Assignment

### Assignment Questions

#### 1. Concatenation and Slicing:

- Write a program that takes three strings as input:
  - Concatenate the first two strings.
  - Slice the concatenated string to include only characters from index 2 to 8 (inclusive).
  - Print both the concatenated and sliced strings.

#### 2. Case Conversion:

- Write a program to take a string and:
  - Convert it to uppercase.
  - Convert it to lowercase.
  - Swap the case of all characters.
  - Check if the string is in title case.

#### 3. String Search and Replace:

- Write a program to take a sentence and:
  - Search for the word "Python" in the sentence.
  - Replace all occurrences of "Python" with "Java."
  - Print the modified sentence.

#### 4. Count Specific Characters:

- Write a program to count:
  - The number of vowels in a given string.
  - The number of consonants in the string.
  - The number of spaces in the string.