

WEEK 4 - ASSIGNMENT 2

LIST SLICING

NOTE:

- No need to submit anywhere, just keep track of all the PDF you made in a specific folder.
- Compare your solution with the solution I'll provide, in case of doubts, kindly reach out to me.
- You may get assignment solution in format of PDF or VIDEO solution, depending on the difficulty level.

Q1. Make your own list of numbers. Ask a start and end position from User. Print the list from start position to end position using Slicing.

Q2. Make your own list of numbers. Ask a start and end position from User. Make another different list which will contain number from start to end position. Use slicing logic.

```
my_list = [10, -5, 8, 3, -1, -9, 7, 2]

'''
Enter start position = 2
Enter end position = 5

Result = [8, 3, -1, -9]
'''
```

Q3. Make your own list. Write a Python program that takes an integer as an input, and make a new list containing the last n elements of the original list. Using slicing logic.

```
my_list = [10, -5, 8, 3, -1, -9, 7, 2]
'''
Enter n = 3

Result = [-9, 7, 2]
'''
```

Q4. Make your own list. Write a Python program that takes an integer as an input, and make a new list containing the last n elements of the original list but in reverse order. Using slicing logic.

```
my_list = [10, -5, 8, 3, -1, -9, 7, 2]
'''
Enter n = 4

Result = [2, 7, -9, -1]
'''
```

Q5. Write a python program to interchange first and last elements in a list.

Q6. Write a Python code to split a list into two halves using list slicing. (Keep the length of list even).