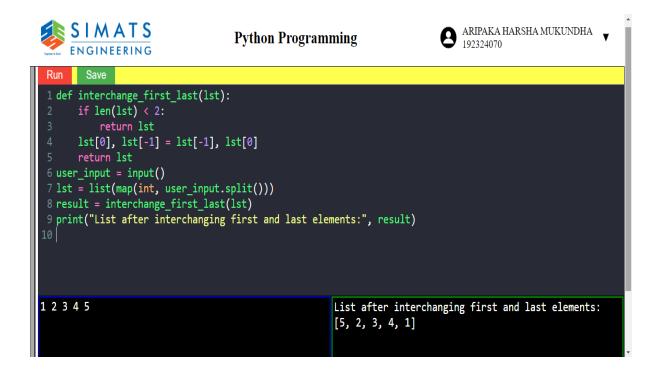
#### **ASSIGMNENT-1**

## -A. Harsha Mukundha 192324070

#### 1) Interchange First and last element in a list.



## 2) **Swapping In a list**

#### 3) Reverse a string

```
Python Programming

ARIPAKA HARSHA MUKUNDHA

Rum Save

1 def reverse words(s):
2 words = s.split()
3 reversed_words = words[::-1]
4 reversed_string = ' '.join(reversed_words)
5 return reversed_string
6 user_input = input()
7 result = reverse_words(user_input)
8 print("Reversed words string:", result)
9

HARSHA MUKUNDHA

Reversed words string: MUKUNDHA HARSHA
```

### 4) length of string using slicing



#### 5) Maximum and Minimum kth Elements in a list

```
Run Save

1 import heapq
2 def max min k elements(tpl, k):
3 if k > len(tpl):
4 return "k is larger than the tuple size"
5 min k elements = heapq.nsmallest(k, tpl)
6 max_k_elements = heapq.nsmallest(k, tpl)
7 return min k_elements, max_k_elements
8 user_input = input()
9 k = int(input())
10 tpl = tuple(map(int, user_input.split()))
11 min k_elements, max_k_elements are: {min_k_elements}")
13 print(f"The minimum {k} elements are: {min_k_elements}")
14

1 2 5 4 54
2 The minimum 2 elements are: [1, 2]
The maximum 2 elements are: [54, 5]
```

## 6) Sum of All items in a dictionary

```
Python Programming

ARIPAKA HARSHA MUKUNDHA

Save

1 def sum_of_dict_values(d):
2 return sum(d.values())
3 user_dict = {
4     'a': 10,
5     'b': 20,
6     'c': 30,
7     'd': 40,
8     'e': 50
9 }
10 sum_values = sum_of_dict_values(user_dict)
11 print(f"The dictionary is: {user_dict}")
12 print(f"The sum of the values in the dictionary is: {sum_values}").

The dictionary is: {'a': 10, 'b': 20, 'c': 30, 'd': 40, 'e': 50}
The sum of the values in the dictionary is: 150
```

# 7) Remove items from the set