In [11]:
```python
#Reverse words in a given String in Python
def reverse_words(input_string):
    words = input_string.split()
    reversed_string = ' '.join(reversed(words))
    return reversed_string

input_string = "Hello World"
reversed_string = reverse_words(input_string)
print("Original String:", input_string)
print("Reversed String:", reversed_string)
```

```
Original String: Hello World
Reversed String: World Hello
```

In [ ]:

In [2]:
```python
#Ways to remove i'th character from string in Python
def remove_character(input_string, i):
    if 0 <= i < len(input_string):
        return input_string[:i] + input_string[i+1:]
    else:
        return input_string

input_string = "Hello World"
i = 3
result_string = remove_character(input_string, i)
print("Original String:", input_string)
print(f"String after removing character at index {i}:", result_string)
```

```
Original String: Hello World
String after removing character at index 3: Helo World
```

In [ ]:

In [3]:
```python
#Python | Check if a Substring is Present in a Given String
def is_substring(substring, input_string):
    return substring in input_string

input_string = "Hello World"
substring = "World"
if is_substring(substring, input_string):
    print(f"'{substring}' is present in the string.")
else:
    print(f"'{substring}' is not present in the string.")
```

```
'World' is present in the string.
```

In [ ]:

In [4]:
```python
#Python – Words Frequency in String Shorthands
input_string = "Hello world world"
word_frequency = {}
for word in input_string.split():
    word_frequency[word] = word_frequency.get(word, 0) + 1

print(word_frequency)
```

```
{'Hello': 1, 'world': 2}
```

In [ ]:

In [5]:
```python
#Python - Convert Snake case to Pascal case
def snake_to_pascal(snake_case_string):
    words = snake_case_string.split('_')
    pascal_case_string = ''.join(word.capitalize() for word in words)
    return pascal_case_string

snake_case_string = "my_variable_name"
pascal_case_string = snake_to_pascal(snake_case_string)
print("Snake Case:", snake_case_string)
print("Pascal Case:", pascal_case_string)
```

```
Snake Case: my_variable_name
Pascal Case: MyVariableName
```

In [ ]:
```python

```

In [6]:
```python
#Find length of a string in python (4 ways)
input_string = "Hello, World!"

# Method 1: Using len() function
length1 = len(input_string)

# Method 2: Using a loop
length2 = 0
for char in input_string:
    length2 += 1

# Method 3: Using str.count()
length3 = input_string.count('')

# Method 4: Using recursion
def find_length_recursive(input_string):
    if input_string == "":
        return 0
    else:
        return 1 + find_length_recursive(input_string[1:])

length4 = find_length_recursive(input_string)

print("Method 1:", length1)
print("Method 2:", length2)
print("Method 3:", length3)
print("Method 4:", length4)
```

```
Method 1: 13
Method 2: 13
Method 3: 14
Method 4: 13
```

In [ ]:
```python

```

In [7]:
```python
#Python program to print even length words in a string
def print_even_length_words(input_string):
    words = input_string.split()
    for word in words:
        if len(word) % 2 == 0:
            print(word)

input_string = "This is a test sentence with words of varying lengths."
print_even_length_words(input_string)
```

```
This
is
test
sentence
with
of
lengths.
```

In [ ]:

In [8]:
```python
#Python program to accept the strings which contains all vowels
def contains_all_vowels(input_string):
    vowels = set("aeiouAEIOU")
    return set(input_string).issuperset(vowels)

input_string = "This is a sample sentence with all vowels."
if contains_all_vowels(input_string):
    print("The string contains all vowels.")
else:
    print("The string does not contain all vowels.")
```

```
The string does not contain all vowels.
```

In [ ]:

In [9]:
```python
#Python | Count the Number of matching characters in a pair of string
def count_matching_characters(str1, str2):
    count = 0
    for char1, char2 in zip(str1, str2):
        if char1 == char2:
            count += 1
    return count

str1 = "hello"
str2 = "helle"
matching_count = count_matching_characters(str1, str2)
print("Matching characters:", matching_count)
```

```
Matching characters: 4
```

In [ ]:

In [10]:
```python
#Remove all duplicates from a given string in Python
def remove_duplicates(input_string):
    unique_chars = []
    for char in input_string:
        if char not in unique_chars:
            unique_chars.append(char)
    return ''.join(unique_chars)

input_string = "hello world"
result_string = remove_duplicates(input_string)
print("Original String:", input_string)
print("String after removing duplicates:", result_string)
```

```
Original String: hello world
String after removing duplicates: helo wrd
```

In [ ]: