In [2]:
```
# Question 1: Write a Python program to count the occurrences of each word

string = "To change the overall look of your document. To change the look a

# Convert the string to lowercase to avoid case mismatch
string = string.lower()

# Split the string into individual words
words = string.split()

# Create an empty dictionary to store word counts
word_count = {}

# Iterate through each word in the list and count occurrences
for word in words:
    if word in word_count:
        word_count[word] += 1
    else:
        word_count[word] = 1

# Display the word count
print("Word occurrences:", word_count)
```

```
Word occurrences: {'to': 2, 'change': 2, 'the': 3, 'overall': 1, 'look':
2, 'of': 1, 'your': 1, 'document.': 1, 'available': 1, 'in': 1, 'gallery':
1}
```

In [3]:
```
# Question 2: Write a Python program to remove a newline in Python.

string = "\nBest \nDeeptech \nPython \nTraining\n"

# Using the replace() method to remove newlines
cleaned_string = string.replace("\n", " ")

# Displaying the cleaned string
print("String without newlines:", cleaned_string.strip())
```

```
String without newlines: Best  Deeptech  Python  Training
```

In [ ]:
```python
# Question 3: Write a Python program to reverse words in a string.

string = "Deeptech Python Training"

# Split the string into individual words
words = string.split()

# Reverse the list of words
reversed_words = words[::-1]

# Join the reversed words back into a string
reversed_string = " ".join(reversed_words)

# Display the reversed string
print("Reversed string:", reversed_string)
```

In [ ]:
```python
# Question 4: Write a Python program to count and display the vowels of a g

string = "Welcome to python Training"

# Convert the string to lowercase to handle both uppercase and lowercase vo
string = string.lower()

# Define a set of vowels
vowels = "aeiou"

# Initialize a counter for vowels
vowel_count = 0

# Iterate through each character in the string and check if it's a vowel
for char in string:
    if char in vowels:
        vowel_count += 1

# Display the count of vowels
print(f"The number of vowels in the string is: {vowel_count}")
```

In [ ]:
```python
# Question 5: Write a Python program to check if a given string is a palind

# Taking input from the user
string = input("Enter a string to check if it is a palindrome: ")

# Removing spaces and converting to lowercase
cleaned_string = string.replace(" ", "").lower()

# Checking if the string is equal to its reverse
if cleaned_string == cleaned_string[::-1]:
    print(f"'{string}' is a palindrome.")
else:
    print(f"'{string}' is not a palindrome.")
```