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#Q.1
original_string = "Programming"
reversed_string = original_string[::-1]
print(f"1. Reversed String: {reversed_string}")

#Q.2
full_name = input("Enter your full name: ")
names = full_name.split()
initials = '.'.join([name[0].upper() for name in names]) + '.'
print(f"2. Initials: {initials}")

#Q.3
def is_palindrome(s):
    return s == s[::-1]

string_to_check = input("Enter a string: ")
if is_palindrome(string_to_check):
    print(f"3. '{string_to_check}' is a palindrome.")
else:
    print(f"3. '{string_to_check}' is not a palindrome.")

#Q.4
sentence = input("Enter a sentence: ")
word_count = len(sentence.split())
print(f"4. The number of words in the sentence is: {word_count}")

#Q.5
original_string = "This is a string and it is an example."
modified_string = original_string.replace("is", "was")
print(f"5. Modified String: {modified_string}")

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