

Code3

September 21, 2023

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[1]: #problem 1
name = input("Enter your name: ")
print(f"Hello, {name}! Nice to meet you.")
print("Hello, " + name + "! Nice to meet you.")
```

Enter your name: Spuritha

Hello, Spuritha! Nice to meet you.

Hello, Spuritha! Nice to meet you.

```
[5]: #problem 2
word = input("Enter a word: ")
reversed_word = word[::-1]
print(f"Reversed word: {reversed_word}.")
```

Enter a word: cat

Reversed word: tac.

```
[11]: #problem 3
sentence = input("Enter a sentence: ")
char_count = len(sentence)
print(f"This sentence has {char_count} characters.")
```

Enter a sentence: This is a sample sentence.

This sentence has 26 characters.

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[13]: #problem 4
string = input("Enter a word or a sentence: ")
string_lower = string.lower()

a_count = string_lower.count('a')
e_count = string_lower.count('e')
i_count = string_lower.count('i')
o_count = string_lower.count('o')
u_count = string_lower.count('u')

vowel_count = a_count + e_count + i_count + o_count + u_count
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print(f"Number of vowels is {vowel_count}.")
```

Enter a word or a sentence: This is a sample sentence.

Number of vowels is 8.

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[17]: #problem 5
word_to_check = input("Enter a word: ")
word_palindrome = word_to_check.upper()

if word_palindrome == word_palindrome[::-1]:
    print(f"This word is a palindrome.")
else:
    print(f"This word is not a palindrome.")
```

Enter a word: racecar

This word is a palindrome.

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[19]: #problem 6
secret_message = input("Enter your secret message: ")
encrypted = secret_message.upper().replace(" ", "_")
print(f"Encrypted secret message: {encrypted}.")
```

Enter your secret message: secret message

Encrypted secret message: SECRET_MESSAGE.

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[ ]:
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