Suman_Mondal_Assignment_4

June 7, 2023

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[12]: # Q01. WAP to take input "suman" and output is"SUMAN" using chr and ord
      ↪function.

      input_str = "suman"
      output_str = ""

      for char in input_str:
          if ord('a') <= ord(char) <= ord('z'):
              uppercase_char = chr(ord(char) - 32)
              output_str += uppercase_char
          else:
              output_str += char

      print(output_str)
```

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SUMAN
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[14]: # Q02. WAP to count the no of vowels in a string

      input_str = input("Enter a string: ")
      vowels = ['a', 'e', 'i', 'o', 'u']
      count = 0

      for char in input_str:
          if char.lower() in vowels:
              count += 1

      print("Number of vowels:", count)
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Enter a string: sumanmondal
Number of vowels: 4
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[1]: # Q03. WAP to check a string Palindrom or Not

     input_string = input("Enter a string: ")
     reversed_string = input_string[::-1]

     if input_string == reversed_string:
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        print("The string is a palindrome.")
    else:
        print("The string is not a palindrome.")
```

Enter a string: tenet
The string is a palindrome.

[3]:
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# Q04. WAP to take input a string "abc1234" and sum of the digits is 10.

input_string = input("Enter a string: ")
sum_of_digits = 0

for char in input_string:
    if char.isdigit():
        sum_of_digits += int(char)

print("Sum of digits:", sum_of_digits)
```

Enter a string: abc1234
Sum of digits: 10

[12]:
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# Q05. WAP to find the frequency of character in a string

def find_frequency(string, character):
    count = 0
    for c in string:
        if c == character:
            count += 1
    return count


if __name__ == "__main__":
    string = "Suman Mondal"
    character = "n"
    frequency = find_frequency(string, character)
    print(f"The frequency of the character '{character}' in the string␣
  ↪'{string}' is {frequency}.")
```

The frequency of the character 'n' in the string 'Suman Mondal' is 2.

[11]:
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# Q06. .WAP to convert the 1st character of each word in capital

def capitalize_first_letter(text):
    words = text.split()
    capitalized_words = []

    for word in words:
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        capitalized_words.append(word[0].upper() + word[1:])

    return " ".join(capitalized_words)


if __name__ == "__main__":
    text = "suman mondal"
    print(capitalize_first_letter(text))
```

Suman Mondal

[ ]: