**for practise on strings**

 Task 1 . Count the vowels

To complete this task, you must end up with a program that prompts the user for a sentence, and then counts and displays the number of vowels in that sentence.

|  |  |
| --- | --- |
| **Example**  |  |
| Note: Use this example to check your program. This is the output your program should produce when provided with this particular input. |
| The program prompts the user for a sentence | Enter a sentence: |
| The user types in a reply | A foolish consistency is the hobgoblin of little minds |
| The program displays the number of vowels in the sentence | 16 vowels in this sentence |

**Step 1**

Access the program in Trinket. The lines of code are provided **in no particular order**, some are **incomplete**, and there is **no indentation**.

|  |  |
| --- | --- |
|  | sentence = input()vowel\_count = 0vowel\_count = vowel\_count + 1vowels = "aeiouAEIOU"print(vowel\_count, "vowels in this sentence")print("Enter a sentence:")if character in :for character in : |

**Step 2**

**Rearrange** these lines, **fill in the gaps**, and **add indentation** where appropriate, so that your program prompts the user for a sentence, and then counts and displays the number of vowels in that sentence.

**Take a screenshot of your code and upload to Bourne To Learn to the gold badge**

 Task 2 . Sum the digits

To complete this task, you must end up with a program that prompts the user for a number, and then computes and displays the sum of the number’s digits.

|  |  |
| --- | --- |
| **Example**  |  |
| Note: Use this example to check your program. This is the output your program should produce when provided with this particular input. |
| The program prompts the user for a number | Enter a number: |
| The user types in a reply | 51324 |
| The program displays the sum of the number’s digits | Sum of digits in 51324 is 15 |

**Step 1**

Access the program in Trinket. The lines of code are provided are provided **in no particular order**, some are **incomplete**, and there is **no indentation**.

|  |  |
| --- | --- |
|  | number = input()sum = 0sum = sum + .print("Sum of digits in", number, "is", sum)print("Enter a number:")for in :digit = int(character) |

**Note:** The user is prompted for a number, but the number variable is a string, so that for can be used to iterate over each individual character of that string. The int function is applied to each individual character, instead of the entire number.

**Note:** For the purposes of this task, you can **assume** that the user will indeed provide a number. If they don’t, the program will terminate with a ValueError but you don’t need to worry about that.

**Step 2**

**Rearrange** these lines, **fill in the gaps**, and **add indentation** where appropriate, so that your program prompts the user for a number, and then computes and displays the sum of the number’s digits.

**Take a screenshot of your code and upload to Bourne To Learn to the earn your gold badge**

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