



Assignment: Frequency of digits

Write a sample pseudo code to count the frequency of digits in a given number.

Find frequency of digits in a given number using a loop.

Sample Input:

Enter the number

116540

Sample Output:

Frequency of each digit in 116540 is:

Frequency of 0 = 1

Frequency of 1 = 2

Frequency of 2 = 0

Frequency of 3 = 0

Frequency of 4 = 1

Frequency of 5 = 1



Frequency of 6 = 1

Frequency of 7 = 0

Frequency of 8 = 0

Frequency of 9 = 0

Submission status

Submission status	Submitted for grading
Grading status	Not graded
Last modified	Saturday, 13 January 2024, 7:00 PM



Online text

BEGIN

DECLARE *input_number, last_digit, i*

DECLARE *digit_frequency* **ARRAY**[10]

Initialize the digit_frequency array with zeros

FOR *i* **FROM** 0 **TO** 9:

digit_frequency[i] = 0

END FOR

Read the input number from the user

READ "Enter the number", *input_number*

Count the frequency of each digit

WHILE *input_number > 0* **DO**

last_digit = input_number % 10

digit_frequency[last_digit] = digit_frequency[last_digit] + 1

input_number = input_number / 10

END WHILE



Display the frequency of each digit

PRINT "Frequency of each digit in the given number is:"

FOR i FROM 0 TO 9 DO

PRINT "Frequency of", i, "=", digit_frequency[i]

END FOR

END

**Submission
comments**

[Show comments](#) ▶ [Comments \(0\)](#)

[Edit submission](#)

[Remove submission](#)

You can still make changes to your submission.

◀ **Pistol Event**

Jump to...

Armstrong number ▶

Powered by Tekstac Team

