Bahria University,

Karachi Campus



COURSE: CEN-409 ARTIFICIAL INTELLIGENCE &

MACHINE LEARNING

TERM: FALL 2023, CLASS: BCE- 7A

Submitted By:

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(Name) (Reg. No.)

Submitted To:

Engr. Qasim Hassan

Signed Remarks: Score:

Bahria University,

Karachi Campus



ASSIGNMENT NO.

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LIST OF TASKS

|  |  |
| --- | --- |
| TASK NO | OBJECTIVE |
| 1 | Given 3 int values, a b c, return their sum. However, if any of the values is a teen -- in the range 13..19 inclusive -- then that value counts as 0. |
| 2 | Given a string input Count all lower case, upper case, digits, and special symbols. |
| 3 | Given a string, return the sum and average of the digits that appear in the string, ignoring all other characters. |
| 4 | Given an array length 1 or more of ints, return the difference between the largest and smallest values in the array. Note: the built-in min(v1, v2) and max(v1, v2) functions return the smaller or larger of two values. |
| 5 | Return the number of times that the string "ant" appears anywhere in the given string, except we'll accept any letter for the 'n', so "art" and "abt" and other counts. |

Submitted On:

\_\_\_10 - 10 - 2023\_\_\_

(Date: DD/MM/YY)

**Task 1:**

Given 3 int values, a b c, return their sum. However, if any of the values is a teen -- in the range 13..19 inclusive -- then that value counts as 0.

**Solution:**

A screenshot of a computer program

Description automatically generated

**Task 2:**

Given an array length 1 or more of ints, return the difference between the largest and smallest values in the array. Note: the built-in min(v1, v2) and max(v1, v2) functions return the smaller or larger of two values.

**Solution:**

**A screenshot of a computer program

Description automatically generated**

**Task 3:**

Given a string, return the sum and average of the digits that appear in the string, ignoring all other characters.

**Solution:**

**A computer screen shot of a program code

Description automatically generated**

**Task 4:**

Given an array length 1 or more of ints, return the difference between the largest and smallest values in the array. Note: the built-in min(v1, v2) and max(v1, v2) functions return the smaller or larger of two values.

**Solution:**

**A screenshot of a computer program

Description automatically generated**

**Task 5:**

Return the number of times that the string "ant" appears anywhere in the given string, except we'll accept any letter for the 'n', so "art" and "abt" and other counts.

**Solution:**

**A screen shot of a computer program

Description automatically generated**