

GHANA COMMUNICATION

TECHNOLOGY UNIVERSITY

INSTITUTE OF CONTINUING

AND DISTANCE EDUCATION (ICDE)

|  |  |
| --- | --- |
| COURSE CODE | CICS 112 |
| COURSE TITLE | PROGRAMMING WITH C++ |
| NAME | Agbenyo Rogers Delator |
| STUDENT ID | 2425140023 |
| DATE | 19th August, 2025 |

**QUESTION:**

Design and algorithm and illustrate a flowchart for a C++ program that performs the following tasks:

Accepts four numerical values from the user.

Computes the sum, product, and average of the entered values.

Displays the computed results in the console interface.

**ALGORITHM**

Step 1: Start

Step 2: Declare variables: *num1, num2, num3, num4, sum, product, average;*

Step 3: Prompt user to enter values for *num1, num2, num3, num4*;

Step 4: Compute *sum = num1 + num2 + num3 + num4*;

Step 4: Compute *product = num1 \* num2 \* num3 \* num4;*

Step 4: Compute *average = sum / 4*;

Step 5: Print *sum, product, average* to the console;

Step 6: End

**FLOWCHART**

START

Declare variables: *num1, num2,*

*num3, num4, sum, product, average*

*Compute*

*sum = num1 + num2 + num3 + num4*

Prompt user to enter values

for *num1, num2, num3, num4*

*Compute*

*product = num1 \* num2 \* num3 \* num4*

*Compute average = sum / 4*

Print *sum, product,*

*average* to the console

END