

1. Given two numbers num1 and num2. Write an algorithm to find the division of two numbers:

- a. Simple algorithms.
- b. Algorithm written in pseudocode.
- c. Flowchart diagram.

#### PSEUDOCODE

Input: num1, num2 (two numbers to be divided)

If num2 == 0 then

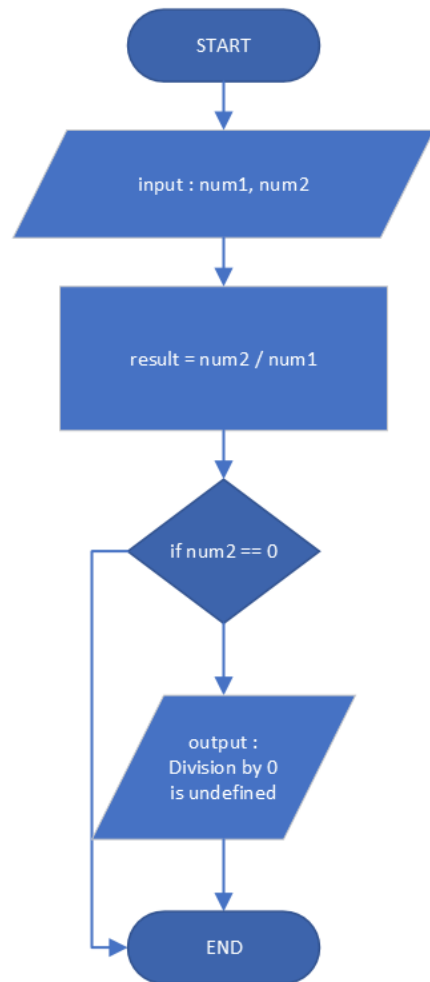
Return "Division by zero is undefined"

End if

Result = num1 / num2

Return result

#### FLOW CHART



2. Write a program that prints the maximum number of four given integers. Use the cin input operator to insert the four numbers entered by user and use the cout output operator to display the maximum number.

```
Enter four integers:
44 33 66 55
maximum number : 66
-----
Process exited after 4.626 seconds with return value 0
Press any key to continue . . .
```

Output for question 2

3. Write a program that will tell the user if the number that he/she entered is even or odd. The program will exit if user enter 0. Use do. While loop.

```
Type a number (0 to exit): 9
9 is odd
Type a number (0 to exit): 6
6 is even
Type a number (0 to exit): 0
Thank you.
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Process exited after 6.368 seconds with return value 0
Press any key to continue . . .
```

Output for question 3

4. Compile the program

INPUT (Enter Data)	OUTPUT
67	The Sum of digits of 67 is 13
13	The Sum of digits of 13 is 4
55	The Sum of digits of 55 is 10
84	The Sum of digits of 84 is 12
101	The Sum of digits of 101 is 2

115	The Sum of digits of 115 is 7
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