

Induction

Introduction to C - Languages Algorithm

Algorithm - Logical flow mentioned for given problem statement

Algorithm can be represented in two ways:

1. Pseudocode - Logical flow represented using simple english language
2. Flowchart - pictorial representation of logical flow

Accept two numbers from user and display addition of them.

Pseudocode

Start

Declare num1,num2,sum

Display "Specify number"

Accept num1

Display "Specify number"

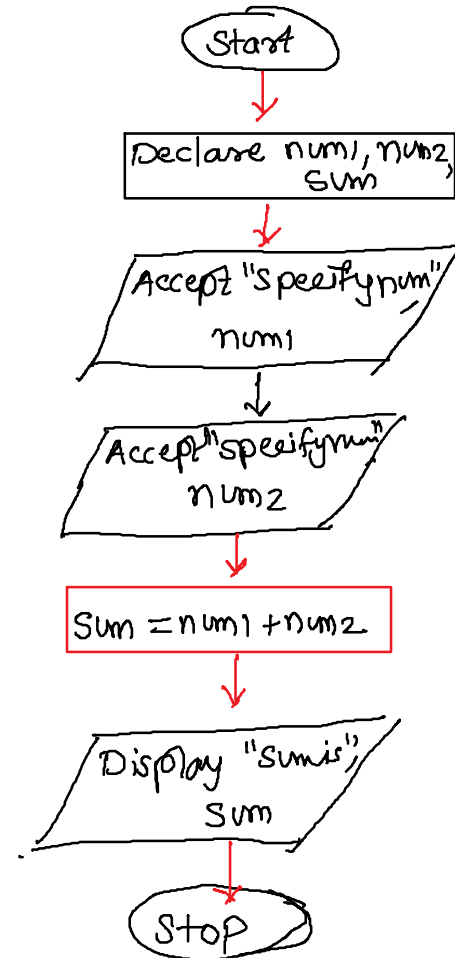
Accept num2

$sum = num1 + num2$

Display "Sum is",sum

end

Flowchart



1 ✓
2 ✓
3 ✓
4 ✓
5 ✓

} sequence

Assign-1

7	6	5	4	3	2	1	0
0	1	0	0	0	0	0	1

2⁶ x x x x x 2⁰

64 + 1

(65)

Decision control - If else , switch

✓1
✓2
✓3

✓4 if xxxx. then

4.1 ✓

4.2 ✓

4.3 ✓

else .

4.2.1 X

4.1.2 X

4.1.3 X

5

6

Ascii
↑
value.

65

Ascii
↑
char

A

Assign-2

✓ Loop / iteration

}

_____ repeated
{

for loop

while

do... while
Assign-3

65 - 90 - uppercase

97 - 122 - lowercase

48 - 57 - digits.