

Question

Write logical steps, pseudo code and draw flow chart for

Finding the missing number from the given array: 5, 9, 1, 3, 6, 7, 8, 10, 4

Algorithm

Create an array of given elements.

Sum of all the elements = S

Sum of first 10 natural numbers = N

$N - S = \text{Missing number}$

Pseudo Code

Array = {5, 9, 1, 3, 6, 7, 8, 10, 4}

$S = (5 + 9 + 1 + 3 + 6 + 7 + 8 + 10 + 4)$

$N = 10(10+1) / 2$

$N - S = 2$

Flow Chart