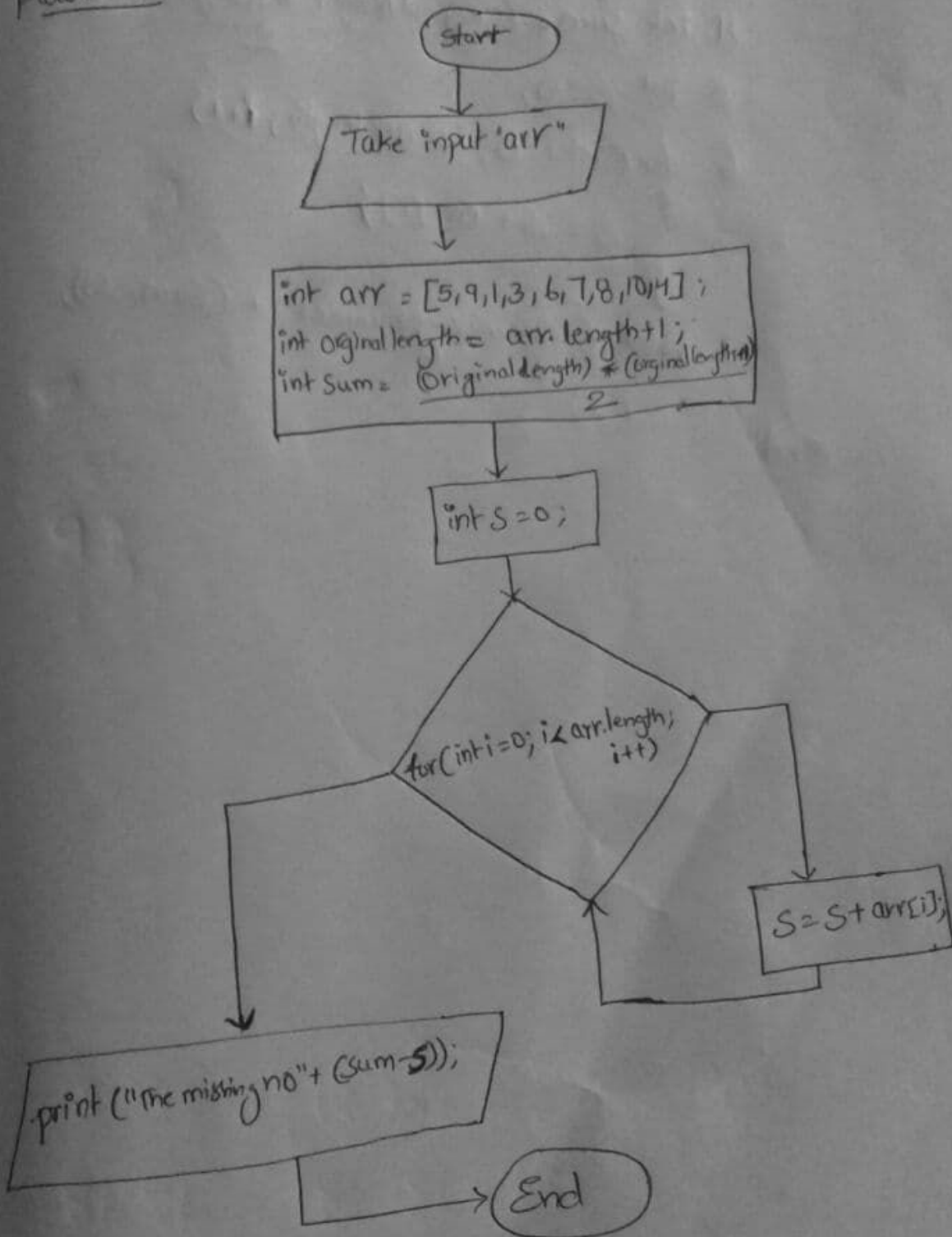


MERN Assignment 19-01-2022

Q1) Write logical steps, pseudocode and draw flowchart of "finding missing number in the given array"
arr = [5, 9, 1, 3, 6, 7, 8, 10, 4]

Flowchart:



Pseudocode:

Start:

1. Input array as "arr"
2. $\text{int arr} = [5, 9, 1, 3, 6, 7, 8, 10, 4];$
3. $\text{int original length} = \text{arr.length} + 1;$
4. $\text{int Sum} = \frac{(\text{original length}) * (\text{original length} + 1)}{2}$
5. $\text{int S} = 0;$
6. $\text{for}(\text{int } i = 0; i < \text{arr.length}; i++)$
 $\{ S = S + \text{arr}[i];$
 $\}$
7. $\text{print} ("The missing number" + (\text{Sum} - S));$

End: