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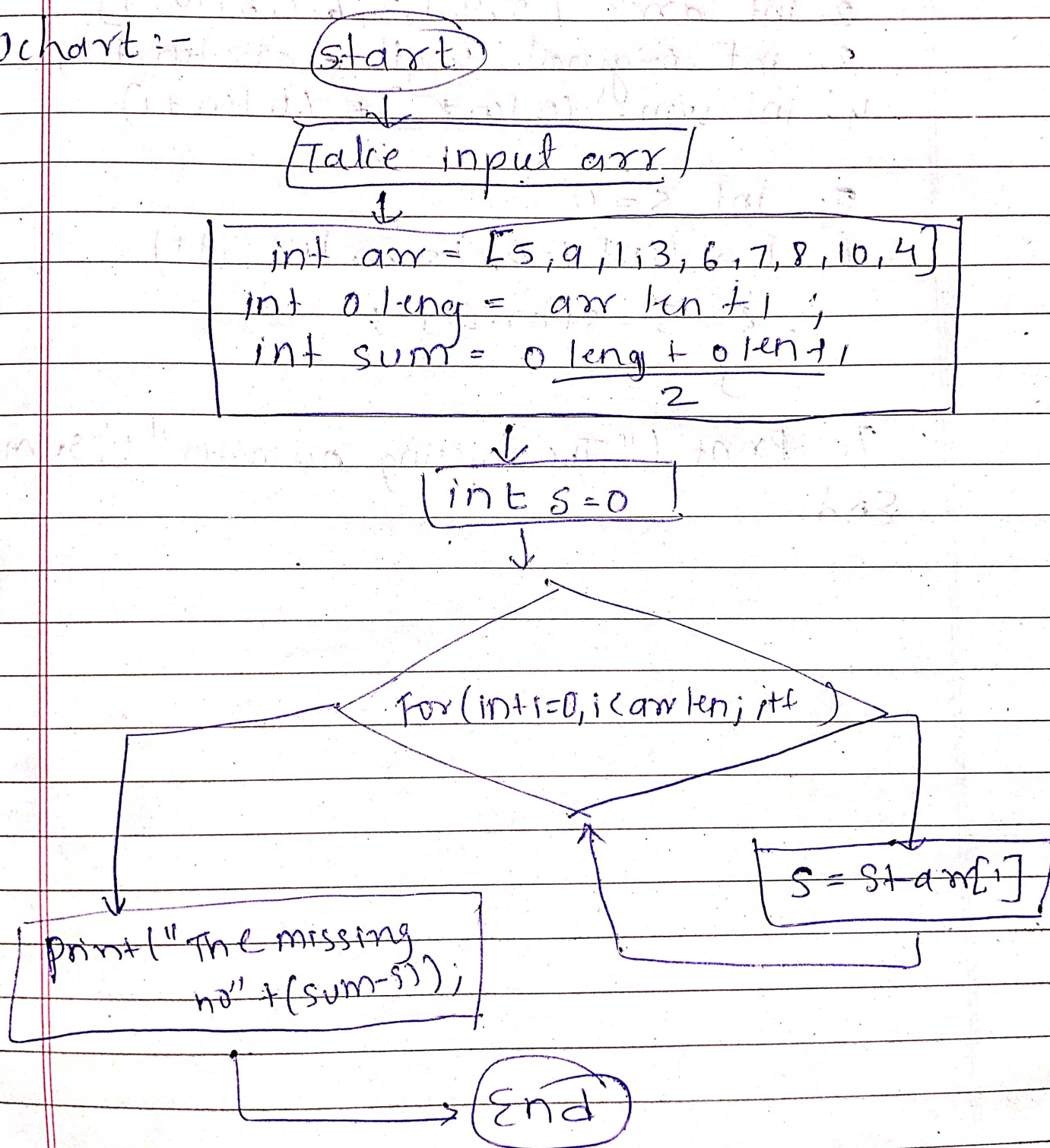
Assignment 2

Date _____
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Q.1 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 :-



Pseudo code :-

Start :

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