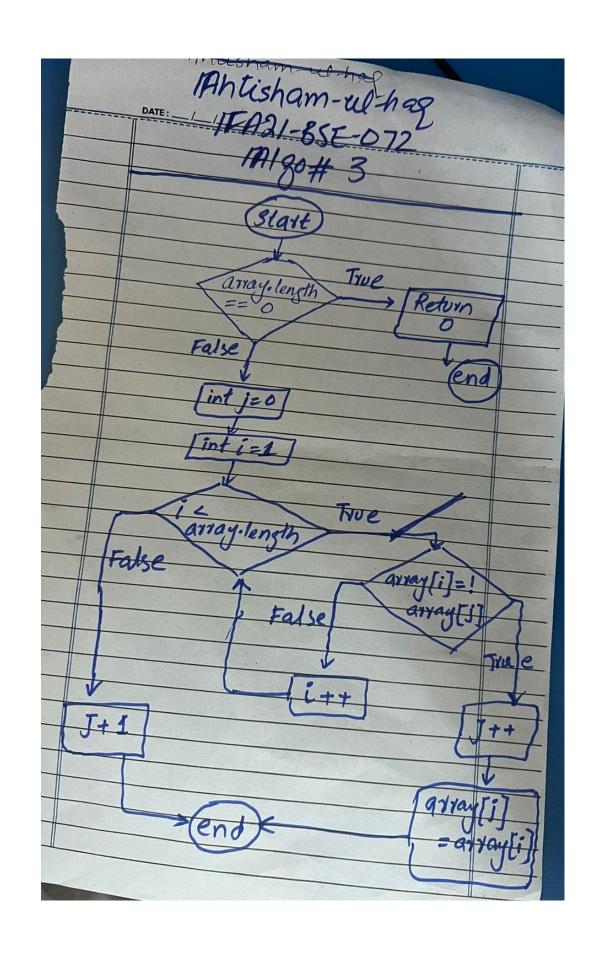
AHTISHAM UL HAQ
FA21-BBSE-072
ST LAB MID
24<sup>th</sup> of May, 2024

Task 1:

**Control flow graph:** 



## Task 2:

## **Test cases:**

Test Case	Description	Input	Expected Output Length	Expected Output	Actual Output	Status (Pass/Fail)
TC1	Empty array	[]	0	[]	[]	Pass
TC2	No duplicates	[1, 2, 3, 4, 5]	5	[1, 2, 3, 4, 5]	[1, 2, 3, 4, 5]	Pass
TC3	All elements the same	[1, 1, 1, 1]	1	[1]	[1]	Pass
TC4	Some duplicates	[1, 1, 2, 2, 3, 4, 4, 5]	5	[1, 2, 3, 4, 5]	[1, 2, 3, 4, 5]	Pass
TC5	Unique elements followed by duplicates	[1, 2, 3, 4, 5, 5, 5, 5]	5	[1, 2, 3, 4, 5]	[1, 2, 3, 4, 5]	Pass

Task 3:

Test in Junit (code):

**Output:** 

