# PROBLEM STATEMENT

#### Given -

A table having the marks of one student in every test.

### To Do -

Output the tests in which the student has improved his performance.

For a student to improve his performance he has to score more than the previous test.

Provide 2 solutions, one including the first test score and second excluding it.

### **Input Table:**

INPUT		
TEST_ID	MARKS	
100	55	
101	55	
102	60	
103	58	
104	40	
105	50	

## **Output Tables:**

OUTPUT - 1	
TEST_ID	MARKS
100	55
102	60
105	50

OUTPUT - 2	
TEST_ID	MARKS
102	60
105	50

# SOLUTION

```
--Output 1
-- Using CTE

With cte as(
select test_id, marks,
lag(marks,1,0) over(order by test_id) as prev_marks

from student_tests
)
select test_id,marks
from cte
where marks > prev_marks

B %

Results Messages

test_id marks
1 100 55
2 102 60
3 105 50
```