

Problem statement

Derive expected output

In Output 1: We need to print minimum Id, Name, Location while ignoring NULLS in both columns

In Output 2: We need to print maximum Id, Name, Location while ignoring NULLS in both columns

INPUT		
ID	NAME	LOCATION
1		
2	David	
3		London
4		
5	David	

EXPECTED OUTPUT - 1		
ID	NAME	LOCATION
1	David	London

EXPECTED OUTPUT - 2		
ID	NAME	LOCATION
5	David	London

SOLUTION 1

```
select min(id) as id, MIN(name) as name, MIN(location) as location  
from Q4_data;  
  
select max(id) as id, MIN(name) as name, MIN(location) as location  
from Q4_data;
```

- ❖ **MIN and MAX** functions when used for strings – operate based on alphabetical order
- ❖ They also **IGNORE NULLS**

SOLUTION 2

```
select id=(select MIN(id) from Q4_data), name=(select distinct FIRST_VALUE(name) over(order by id asc) as name  
from Q4_data  
where name is not null),  
location=(  
select distinct FIRST_VALUE(location) over(order by id asc) as location  
from Q4_data  
where location is not null)
```

- ❖ **FIRST_VALUE()** - Provides the value of the specified expression for the first row of the window frame.