

To Find Nth Max Sal. And Nth Min Sal. Using ROWNUM Concept

Syntax For Nth Max Sal

8 Select Sal

6 from (5 select ROWNUM AS SLNO., Sal

4 from (3 select DISTINCT Sal

1 from Emp

2 ORDER BY SAL DESC))

7 Where SLNO = n;

Ques WAQTD 4th Max Sal from Emp Table.

Ename	Sal
Gheela	3000
Leela	2000
Maala	5000
Laila	2000
Taquila	1000

⇒ Select Sal

from (select ROWNUM SLNO, Sal

from (select DISTINCT Sal

from Emp

ORDER BY Sal DESC))

Where SLNO = 4.

1st

Select DISTINCT Sal

from Emp

ORDER BY Sal DESC

O/p

Sal
5000
3000
2000
1000

2nd

Select ROWNUM SLNO, Sal

from

Sal
5000
3000
2000
1000

O/p

SLNO	Sal
1	5000
2	3000
3	2000
4	1000

3rd

Select Sal

from (2nd O/p)

Where SLNO = 4;

final O/p

1000

Ques WAQTD 10th Max Sal?

⇒ Select Sal
from (select ROWNUM SLNO, Sal
from (select DISTINCT Sal
from Emp
ORDER BY Sal DESC))
Where SLNO = 10;

Ques WAQTD 8th Minimum Sal?

⇒ Select Sal
from (select ROWNUM SLNO, Sal
from (select DISTINCT Sal
from Emp
ORDER BY Sal ASC))
Where SLNO = 8;

Syntax for Nth Minimum

Select Sal
from (select ROWNUM As SLNO, Sal
from (select DISTINCT Sal
from Emp
ORDER BY Sal ASC))
Where SLNO = N;

Ques WAQTD the last 3 Records.

⇒
Select *
from (select ROWNUM, Emp.*
from Emp
ORDER BY ROWNUM DESC)

Where ROWNUM IN (1,2,3);

OR

Where ROWNUM BETWEEN 1 AND 5;

for last
5 records

OR

Where ROWNUM < 6;

Ques WAQTD 8th Min Sal

⇒
Select Sal
from (select ROWNUM As SRNO, Sal
from (select DISTINCT Sal
from Emp
ORDER BY Sal ASC))

Where SRNO IN 8;

Ques WAQTD 12th Max Sal

⇒
Select Sal
from (select ROWNUM SRNO, Sal
from (select Distinct Sal
from Emp
Order By Sal Desc))

Where SRNO = 12;

Ques WAQTD Top 5 Max Sal

⇒ Select Sal

from (select ROWNUM SRNO, Sal

from (select Distinct Sal

from Emp

~~where~~ ORDER By Sal Desc))

Where SRNO IN (1,2,3,4,5);

Ques WAQTD Top 3 Min Sal

⇒ Select Sal

from (select ROWNUM SRNO, Sal

from (select Distinct Sal

from Emp

ORDER By Sal Asc))

Where SRNO IN (4,2,3);

Ques WAQTD 3rd, 5th Max Sal

⇒ Select Sal

from (select ROWNUM SRNO, Sal

from (select Distinct Sal

from Emp

Order By Sal Desc))

Where SRNO IN (3,5);

Ques WAQTD Name of Emp Getting 4th Max Sal

⇒ Select Ename

from Emp

Where Sal In (select Sal

from (select Rownum SRNO, Sal

from (select Distinct Sal

from Emp

Order By Sal Desc))

Where SRNO =

Ques WAQTD Dname of Emp who is getting 7th Min Sal.

⇒ Select Dname

from Dept

Where DeptNo In (Select DeptNo

from Emp

Where Sal In (Select Sal

from (select RowNum SRNO, Sal

from (select Distinct Sal

from Emp

Order By Sal Asc))

Where SRNO IN 7));

1. ROWID

→ ROWID is an 18-Digit Address in Which the Record is present or the Record is stored in the Memory.

```
Select ROWID, Emp.*  
from Emp;
```

NOTE

- * ROWID is one of the way to Access or Delete the Record.
- * ROWID is Unique.
- * ROWID is present for Each \neq Every Record
- * ROWID is generated at the time of Insertion of Records. (Automatic)
- * ROWID Cannot be inserted, Updated or Deleted.
- * Empty Table Will not be having ROWID
- * ROWID is Static in Nature. (CONSTANT)
- * ROWID Can be used to Identify A Record Uniquely from the Table When there is No Key Attribute or Primary Key.

2. ROWNUM

→ ROWNUM Acts as Serial Number to The Result Table.

```
Select ROWNUM, Emp.*  
from Emp;
```

NOTE

- * ROWNUM is Used as Record Number that is Assigned to the Result Table
- * ROWNUM is Dynamic in Nature (Keeps On Changing)
- * ROWNUM is Generated At the Time of Execution.
- * ROWNUM Always Starts with 1.
- * ROWNUM Cannot be Duplicated.
- * ROWNUM Gets Incremented After it is Assigned.

Ques WAQTD all the Details of 1st, 3rd & 5th & 8th Record

⇒ Select *

from (select ROWNUM As S^o.NO, Emp.*

from Emp)

Where S^o.NO In (1, 3, 5, 8);

Ques WAQTD Ename of 8th & 7th, 6th Record.

⇒ Select Ename

from (select ROWNUM S^o.NO, Emp.*

from Emp)

Where S^o.NO In (8, 7, 6);

Cannot use ROWNUM
as ALIAS name for
ROWNUM

Ques WAQTD ^{4th} ~~10th~~ MAX Salary.

⇒ Select max(sal)

from Emp

Where sal < (select max(sal)

from Emp

Where sal < (select max(sal)

from Emp

Where sal < (select max(sal)

from Emp))

OR

⇒ Select sal

from (select ROWNUM SLNO, sal

from (select DISTINCT sal

from Emp

ORDER BY sal DESC))

Where SLNO = 4;