

Placement material sql answers

1. Query to find Second Highest Salary of Employee?

```
select * from (  
    select e.*, row_number() over (order by sal desc) as rn  
    from emp e  
)  
where rn = 2;
```

Remember row_number() and rownum are different

2. Query to find duplicate rows in table?

- ```
select employee_id, count(*)
from employees
group by employee_id
having count(*) > 1;
```
- ```
select * from  
(select t.*, count(*) over (partition by empno order by empno)  
cnt  
from temp t )  
where cnt=2
```

3. How to fetch monthly Salary of Employee if annual salary is given?

```
Select Employee_name, Salary/12 as 'Monthly Salary'  
from employee;
```

4. What is the Query to fetch first record from Employee table?

```
Select * from emp where rownum=1;
```

5. Write a query to display last line of the record

```
with cte1 as(
select e.* from emp e order by rownum desc
)
select * from cte1 where rownum=1
```

6. What is Query to display first 5 Records from Employee table?

```
select * from emp where rownum<=5
```

7. What is Query to display last 5 Records from Employee table?

```
with cte1 as(
select e.* from emp e order by rownum desc
)
select * from cte1 where rownum<=5
```

8. What is Query to display Nth Record from Employee table?

```
select *
from (select rownum as rn,e.* from emp e)
where rn=10
```

9. How to get 3 Highest salaries records from Employee table?

- with cte1 as
(select distinct sal,dense_rank() over(order by sal desc) rnk
from emp order by sal desc
)
select * from cte1
where rnk<=3

If you want to see their names

- with cte1 as
(select e.*,dense_rank() over(order by sal desc) rnk from emp e
order by sal desc
)
select * from cte1
where rnk<=3

Top N analysis

- select ename,sal from emp a
where 3>
(select count(distinct sal) from emp b where a.sal<b.sal)

10. How to Display rows in Employee table?

```
select *  
from (select rownum as rn,e.* from emp e)  
where mod(rn,2)=1
```

11. How to Display Even rows in Employee table?

```
select * from  
(select rownum as rn,e.* from emp e)  
where mod(rn,2)=0
```

12. How to fetch 3rd highest salary using Rank Function?

```
with cte1 as(  
select dense_rank() over(order by sal desc) rnk,e.* from emp e  
)  
select * from cte1  
where rnk=3
```

13. How Can i create table with same structure of Employee table?

```
create table tt as  
select * from emp where 1=2
```

14. Display first 50% records from Employee table?

```
select * from emp  
where rownum<=(select max(rownum)/2 from emp)  
/
```

15. Display last 50% records from Employee table?

```
select *  
from (select rownum as rn,e.* from emp e)  
where rn>=(select max(rownum)/2 from emp)
```

16. How do i fetch only common records between 2 tables

```
select * from temp  
intersect  
select * from temp1
```

