

Inline View Subquery in Oracle

What is Inline View Subquery in Oracle?

It is special type of subquery in Oracle. Providing a select query in place of table name in select statement. The following is the syntax.

```
SELECT * FROM <TABLE NAME>; — SQL SELECT QUERY
```

```
SELECT * FROM (<SELECT QUERY>); —INLINE VIEW
```

Note:

1. Generally, Subquery is not allowed to use “order by” clause. So that we use “inline view”.
2. Generally, Column alias names are not allowed to use in “where” clause Condition. So that we use “inline view”.

1. WAQ to display employees whose annual salary is more than 25000?

```
SELECT * FROM (SELECT ENAME, SAL, SAL*12 ANNUSAL FROM EMPLOYEE) WHERE ANNUSAL>25000;
```

Using the “ORDER BY” clause in a subquery:

2.WAQ to display the first five highest salaries from Employee table by using ROWNUM along with inline view?

```
SELECT * FROM (SELECT * FROM EMPLOYEE ORDER BY SAL DESC) WHERE ROWNUM<=5;
```

3. WAQ to display 5th highest salary of employee from Employee table by using ROWNUM along with inline view?

```
SELECT * FROM (SELECT * FROM EMPLOYEE ORDER BY SAL DESC) WHERE ROWNUM<=5
```

```
MINUS
```

```
SELECT * FROM (SELECT * FROM EMPLOYEE ORDER BY SAL DESC) WHERE ROWNUM<=4;
```

Using ROWNUM alias name in oracle:

4. WAQ to display 3rd position row from Employee table by using ROWNUM alias name along with inline view?

```
SELECT * FROM (SELECT ROWNUM R, ENAME, JOB, SAL FROM EMPLOYEE) WHERE R=3;
```

(OR)

```
SELECT * FROM (SELECT ROWNUM R, EMPLOYEE.* FROM EMPLOYEE) WHERE R=3;
```

5. WAQ to display 1st,3rd,5th,7th,9th rows from employee table by using ROWNUM alias name along with inline view?

```
SELECT * FROM (SELECT ROWNUM R, EMPLOYEE.* FROM EMPLOYEE) WHERE R IN(1,3,5,7,9);
```

6. WAQ to display even position rows from employee table by using ROWNUM Alias name along with inline view?

```
SELECT * FROM (SELECT ROWNUM R, EMPLOYEE.* FROM EMPLOYEE) WHERE MOD(R,2)=0;
```

7. WAQ to display first row and last row from employee table by using ROWNUM alias name along with inline view?

```
SELECT * FROM (SELECT ROWNUM R, EMPLOYEE.* FROM EMPLOYEE) WHERE R=1 OR R=(SELECT COUNT(*) FROM EMPLOYEE);
```