

Sub query: A query written inside another query is known as a sub query

```
select *
from staff_master
```

	STAFF_CODE	STAFF_NAME	DESIGN_CODE	DEPT_CODE	STAFF_DOB	HIREDATE	MGR_CODE	STAFF_SAL	STAFF_ADDRESS
1	100001	Arvind	102	30	15-01-80	15-01-03	100006	17000	Bangalore
2	100002	Shyam	102	20	18-02-80	17-02-02	100007	20000	Chennai
3	100003	Mohan	102	10	23-03-80	19-01-02	100006	24000	Mumbai
4	100004	Anil	102	20	22-04-77	11-03-01	100006	20000	Hyderabad
5	100005	John	106	10	22-05-76	21-01-01	100007	32000	Bangalore
6	100006	Allen	103	30	22-01-80	23-04-01	100005	42000	Chennai
7	100007	Smith	103	20	19-07-73	12-03-02	100005	62000	Mumbai
8	100008	Raviraj	102	40	17-06-80	11-01-03	100006	18000	Bangalore
9	100009	Rahul	102	20	16-01-78	11-12-03	100006	22000	Hyderabad
10	100010	Ram	103	30	17-01-79	17-01-02	100007	32000	Bangalore

1.

```
select staff_name,staff_sal
from staff_master
where staff_sal>(select staff_sal
from staff_master
where staff_name='Anil');
```

	STAFF_NAME	STAFF_SAL
1	Mohan	24000
2	John	32000
3	Allen	42000
4	Smith	62000
5	Rahul	22000
6	Ram	32000

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```
select mgr_code,design_code
from staff_master
where design_code>(select design_code
from staff_master
where staff_name='Anil');
```

	↕ MGR_CODE	↕ DESIGN_CODE
1	100007	106
2	100005	103
3	100005	103
4	100007	103

```

4      select staff_name,staff_address
      from staff_master
     where staff_name in
           (select staff_name
            from staff_master
            where design_code>102);

```

	↕ STAFF_NAME	↕ STAFF_ADDRESS
1	John	Bangalore
2	Allen	Chennai
3	Smith	Mumbai
4	Ram	Bangalore

```

5      select ename from emp where sal>(select sal from emp where ename='SCOTT');

```

	↕ ENAME
1	KING

```

6      select job,ename from emp where sal>(select DISTINCT sal from emp where
JOB='ANALYST');

```

	↕ JOB	↕ ENAME
1	PRESIDENT	KING

7 select ename,sal from emp where sal>(select distinct sal from emp where
 ename='ADAMS') and job='CLERK';

	ENAME	SAL
1	MILLER	1300

8 select min(sal)
 from emp
 where sal>(select min(sal)
 from emp);

	MIN(SAL)
1	1100

9 select ename,sal
 from emp
 where sal <ANY(select sal
 from emp
 where JOB='MANAGER');

	ENAME	SAL
1	JAMES	950
2	ADAMS	1100
3	WARD	1250
4	MARTIN	1250
5	MILLER	1300
6	TURNER	1500
7	king	1600
8	CLARK	2450
9	BLAKE	2850

```

10  SELECT ENAME
      FROM EMP
      WHERE SAL > ALL(SELECT SAL
                        FROM EMP
                        WHERE JOB='SALESMAN');

```

	ENAME
1	CLARK
2	BLAKE
3	JONES
4	SCOTT
5	FORD
6	KING