SubQuery

|  |
| --- |
| 1. Independent subquery implemented in select process. |
|  |
| |  | | --- | | [**OPEN**](https://classroom.google.com/c/MzY3MDU1MjE4NTFa/a/MzcxNTg1OTQyMzda/details) | |

SQL> select id,name,(select avg(m1) from students) as m1 from arya;

ID NAME M1

---------- -------------------- ----------

1 anand 79.6

2 sabari 79.6

3 arun 79.6

|  |
| --- |
| Independent subquery implemented in from process |
|  |
| |  | | --- | | [**OPEN**](https://classroom.google.com/c/MzY3MDU1MjE4NTFa/a/MzcxNTg1OTQyMzda/details) | |

SQL> select id,name from (select id,name from arya);

ID NAME

---------- --------------------

1 anand

2 sabari

3 arun

|  |
| --- |
| 3. Independent subquery implemented in where process. |
|  |
| |  | | --- | | [**OPEN**](https://classroom.google.com/c/MzY3MDU1MjE4NTFa/a/MzcxNTg1OTQyMzda/details) | |

SQL> select id,m1 from students where m1 < (select max(m1) from students);

ID M1

---------- ----------

1 55

2 86

3 85

25 85

|  |
| --- |
| 4. Independent subquery implemented in having process. |
|  |
| |  | | --- | | [**OPEN**](https://classroom.google.com/c/MzY3MDU1MjE4NTFa/a/MzcxNTg1OTQyMzda/details) | |

SQL> select min(m1),max(m2),count(m3),class from students group by class having

50 < (select max(m3) from students);

MIN(M1) MAX(M2) COUNT(M3) CLASS

---------- ---------- ---------- --------------------

55 89 3 A

85 98 2 B

|  |
| --- |
| 5. Correlated subquery implementation in where condition. |
|  |
| |  | | --- | | [**OPEN**](https://classroom.google.com/c/MzY3MDU1MjE4NTFa/a/MzcxNTg1OTQyMzda/details) | |

SQL> select min(m3) from students where m3 < (select min(m1)+ min(m2) from stude

nts);

MIN(M3)

----------

35

|  |
| --- |
| 6. Correlated subquery implementation in having class. |
|  |
| |  | | --- | | [**OPEN**](https://classroom.google.com/c/MzY3MDU1MjE4NTFa/a/MzcxNTg1OTQyMzda/details) | |

SQL> select min(m1),max(m2),count(m3),class from students group by class having

50 < (select max(m3)+max(m2)+max(m1) from students);

MIN(M1) MAX(M2) COUNT(M3) CLASS

---------- ---------- ---------- --------------------

55 89 3 A

85 98 2 B