

Oracle Live SQL

FeedbackHelpvishal.jain_cs18@glu.ac.in

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SQL Worksheet

1select * from student;
2--1
3select sID,sName from student where student.sID IN(select sID from Apply where major='CS');

SID	SNAME
123	Amy
345	Craig
543	Craig
876	Irene
987	Helen

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SQL Worksheet

1select * from student;
2--1
3select sID,sName from student where student.sID IN(select sID from Apply where major='CS');
4--2
5select sID ,sName from student where sizeHS IN (select sizeHS from student where sName ='Jay');

SID	SNAME
234	Bob
765	Jay

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Oracle Live SQL - SQL Worksheet

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2 --1
3 select sID,sName from student where student.sID IN( select sID from Apply where major='CS');
4 --2
5 select sID ,sName from student where sizeHS IN ( select sizeHS from student where sName ='Jay');
6 --3
7 select sID,sName from student where sizeHS IN (select sizeHS from student where sName ='Jay') AND sName NOT IN ('Jay');
```

SID	SNAME
234	Bob

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6 --3
7 select sID,sName from student where sizeHS IN (select sizeHS from student where sName ='Jay') AND sName NOT IN ('Jay');
8 --4
9 select sID,sName,GPA from student where GPA NOT IN ( select GPA from student where sName='Irene');
```

SID	SNAME	GPA
987	HeLen	3.7
567	Eduard	2.9
765	Jay	2.9
234	Bob	3.6
678	Fay	3.8
345	Craig	3.5
789	Gary	3.4
543	Craie	3.4

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6 --3
7 select sID,sName from student where sizeHS IN (select sizeHS from student where sName = 'Jay') AND sName NOT IN ('Jay');
8 --4
9 select sID,sName,GPA from student where GPA NOT IN (select GPA from student where sName='Irene');
10 --5
11 select distinct sName from student natural join Apply where sName like 'JK';
12
13

SNAME

Jay

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6 --3
7 select sID,sName from student where sizeHS IN (select sizeHS from student where sName = 'Jay') AND sName NOT IN ('Jay');
8 --4
9 select sID,sName,GPA from student where GPA NOT IN (select GPA from student where sName='Irene');
10 --5
11 select distinct sName from student natural join Apply where sName like 'JK';
12 --6
13 select major from student natural join apply where sID=(select distinct sID from student where sName='Irene');
14

MAJOR

CS

biology

marine biology

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3 select sID,sName from student where student.sID IN( select sID from Apply where major='CS');
4 --2
5 select sID ,sName from student where sizeHS IN ( select sizeHS from student where sName = 'Jay');
6 --3
7 select sID,sName from student where sizeHS IN (select sizeHS from student where sName = 'Jay') AND sName NOT IN ('Jay');
8 --4
9 select sID,sName,GPA from student where GPA NOT IN ( select GPA from student where sName='Irene');
10 --5
11 select distinct sName from student natural join Apply where sName like 'J%';
12 --6
13 select major from student natural join Apply where sID=(select distinct sID from student where sName='Irene');
14 --7
15 select sID from student natural join Apply where
16 major IN (select major from student natural join Apply where sID=(select distinct sID from student
17 where sName='Irene'));
```

SID

123
123
234
345
543
876
876
876

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6 --3
7 select sID,sName from student where sizeHS IN (select sizeHS from student where sName = 'Jay') AND sName NOT IN ('Jay');
8 --4
9 select sID,sName,GPA from student where GPA NOT IN ( select GPA from student where sName='Irene');
10 --5
11 select distinct sName from student natural join Apply where sName like 'J%';
12 --6
13 select major from student natural join Apply where sID=(select distinct sID from student where sName='Irene');
14 --7
15 select sID from student natural join Apply where
16 major IN (select major from student natural join Apply where sID=(select distinct sID from student
17 where sName='Irene'));
```

SID

678
765
765
765
765

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SQL Worksheet

```
1 select * from student;
2
3 --1
4 select sid,sname from student where student.sid IN( select sid from Apply where major='CS');
5
6 --2
7 select sid ,sname from student where sizeHS IN ( select sizeHS from student where sname ='Jay');
8
9 --3
10 select sid,sname from student where sizeHS IN (select sizeHS from student where sname ='Jay') AND sname NOT IN ('Jay');
11
12 --4
13 select sid,sname,GPA from student where GPA NOT IN ( select GPA from student where sname='Irene');
14
15 --5
16 select distinct sname from student natural join Apply where sname like 'JN';
17
18 --6
19 select major from student natural join apply where sid=(select distinct sid from student where sname='Irene');
20
21 select sid from student natural join apply where
22 major IN (select major from student natural join apply where sid
23 where sname='Irene');
24
25 select sid from student natural join apply where major IN
26 (select major from student natural join apply where sid
27 =(select distinct sid from student where sname='Jay'));
28
29 select distinct sid from student where sname='Jay';
```

SID
678
765
765
765

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SQL Worksheet

```
4 --2
5 select sid ,sname from student where sizeHS IN ( select sizeHS from student where sname ='Jay');
6
7 --3
8 select sid,sname from student where sizeHS IN (select sizeHS from student where sname ='Jay') AND sname NOT IN ('Jay');
9
10 --4
11 select sid,sname,GPA from student where GPA NOT IN ( select GPA from student where sname='Irene');
12
13 --5
14 select distinct sname from student natural join Apply where sname like 'JN';
15
16 --6
17 select major from student natural join apply where sid=(select distinct sid from student where sname='Irene');
18
19 select sid from student natural join apply where
20 major IN (select major from student natural join apply where sid
21 where sname='Irene');
22
23 select sid from student natural join apply where major IN
24 (select major from student natural join apply where sid
25 =(select distinct sid from student where sname='Jay'));
26
27 select sname,count(cname) from student natural join
28 apply group by sname having sname ='Jay';
```

SNAME	COUNT(CNAME)
Jay	3

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SQL Worksheet

8--4
9select sID,sname,GPA from student where GPA NOT IN (select GPA from student where sname='Irene');
10--5
11select distinct sname from student natural join Apply where sname like 'J%';
12--6
13select major from student natural join apply where sID=(select distinct sid from student where sname='Irene');
14--7
15select sid from student natural join apply where
16major IN (select major from student natural join apply where sid=(select distinct sid from student
17where sname='Irene'));
18--8
19select sid from student natural join apply where major IN
20(select major from student natural join apply where sid
21=(select distinct sid from student where sname='Jay'));
22--9
23select sname,count(clame) from student natural join
24apply group by sname having sname = 'Jay';
25--10
26select sname,count(clame) from student natural join apply group by sname
27having count(clame)=(select count(clame) from
28student natural join apply where sname = 'Jay'));

SNAME	COUNT(CLAME)
Jay	4
Craig	5
Jay	3
Irene	3

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4 rows selected.

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SQL Worksheet

11select distinct sname from student natural join Apply where sname like 'J%';
12--6
13select major from student natural join apply where sID=(select distinct sid from student where sname='Irene');
14--7
15select sid from student natural join apply where
16major IN (select major from student natural join apply where sid=(select distinct sid from student
17where sname='Irene'));
18--8
19select sid from student natural join apply where major IN
20(select major from student natural join apply where sid
21=(select distinct sid from student where sname='Jay'));
22--9
23select sname,count(clame) from student natural join
24apply group by sname having sname = 'Jay';
25--10
26select sname,count(clame) from student natural join apply group by sname
27having count(clame)=(select count(clame) from
28student natural join apply where sname = 'Jay'));

SID
987
987
876

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3 rows selected.

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Oracle Live SQL - SQL Worksheet

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Oracle Live SQL interface showing a SQL Worksheet with a query and its results.

SQL Worksheet

```
13 select major from student natural join apply where sid=(select distinct sid from student where sname='Irene');
14 --7
15 select sid from student natural join apply where
16 major IN (select major from student natural join apply where sid=(select distinct sid from student
17 where sname='Irene'));
18 --8
19 select sid from student natural join apply where major IN
20 (select major from student natural join apply where sid
21 =(select distinct sid from student where sname='Jay'));
22 --9
23 select sname,count(cname) from student natural join
24 apply group by sname having sname <>'Jay';
25 --10
26 select sname,count(cname) from student natural join apply group by sname
27 having count(cname)>=(select count(cname) from
28 student natural join apply where sname <>'Jay');
29 --11
30 select sid from student natural join apply where major='CS' and
31 sname NOT IN (select sname from student natural join apply where major='EE');
32 --12
33 select cname from college c1 where exists (select cname from college c2 where c1.state=c2.state and c1.cname=c2.cname);
```

Results:

CNAME
Berkeley
Stanford
Harvard
HIT

Download CSV
4 rows selected.

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Oracle Live SQL interface showing a SQL Worksheet with a query and its results.

SQL Worksheet

```
15 select sid from student natural join apply where
16 major IN (select major from student natural join apply where sid=(select distinct sid from student
17 where sname='Irene'));
18 --8
19 select sid from student natural join apply where major IN
20 (select major from student natural join apply where sid
21 =(select distinct sid from student where sname='Jay'));
22 --9
23 select sname,count(cname) from student natural join
24 apply group by sname having sname <>'Jay';
25 --10
26 select sname,count(cname) from student natural join apply group by sname
27 having count(cname)>=(select count(cname) from
28 student natural join apply where sname <>'Jay');
29 --11
30 select sid from student natural join apply where major='CS' and
31 sname NOT IN (select sname from student natural join apply where major='EE');
32 --12
33 select cname from college c1 where exists (select cname from college c2 where c1.state=c2.state and c1.cname=c2.cname);
34 --13
35 select cname from college where enrollment=(select max(enrollment) from college);
```

Results:

CNAME
Harvard

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Oracle Live SQL - SQL Worksheet

SQL Worksheet

```
17 where sname='Irene');
18 --8
19 select sid from student natural join apply where major IN
20 (select major from student natural join apply where sid
21 =(select distinct sid from student where sname='Jay'));
22 --9
23 select sname,count(clame) from student natural join
24 apply group by sname having sname = 'Jay';
25 --10
26 select sname,count(clame) from student natural join apply group by sname
27 having count(clame)=(select count(clame) from
28 student natural join apply where sname = 'Jay');
29 --11
30 select sid from student natural join apply where major='CS' and
31 sname NOT IN (select sname from student natural join apply where major='EE');
32 --12
33 select clame from college c1 where exists (select clame from college c2 where c1.state=c2.state and c1.clame=c2.clame);
34 --13
35 select clame from college where enrollment=(select max(enrollment) from college);
36 --14
37 select sname from student where GPA =(select min(GPA) from student);
```

NAME

Edward
Jay

Download CSV

2 rows selected.

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Oracle Live SQL - SQL Worksheet

SQL Worksheet

```
28 (select major from student natural join apply where sid
29 =(select distinct sid from student where sname='Jay'));
21 --9
22 select sname,count(clame) from student natural join
23 apply group by sname having sname = 'Jay';
24 --10
25 select sname,count(clame) from student natural join apply group by sname
26 having count(clame)=(select count(clame) from
27 student natural join apply where sname = 'Jay');
28 --11
29 select sid from student natural join apply where major='CS' and
30 sname NOT IN (select sname from student natural join apply where major='EE');
31 --12
32 select clame from college c1 where exists (select clame from college c2 where c1.state=c2.state and c1.clame=c2.clame);
33 --13
34 select clame from college where enrollment=(select max(enrollment) from college);
35 --14
36 select sname from student where GPA =(select min(GPA) from student);
37 --15
38 select major,count(major) from apply group by major having count(*) in (select max(count(major)) from apply group by major);
40
```

MAJOR COUNT(MAJOR)

CS	7
----	---

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Oracle Live SQL interface showing a SQL Worksheet with a query and its results.

SQL Worksheet

```
--9
23 select sname,count(cname) from student natural join
24 apply group by sname having sname = 'Jay';
25 --10
26 select sname,count(cname) from student natural join apply group by sname
27 having count(cname)>=(select count(cname) from
28 student natural join apply where sname = 'Jay');
29 --11
30 select sid from student natural join apply where major='CS' and
31 sname NOT IN (select sname from student natural join apply where major='EE');
32 --12
33 select cname from college c1 where exists (select cname from college c2 where c1.state=c2.state and c1.cname!=c2.cname);
34 --13
35 select cname from college where enrollment=(select max(enrollment) from college);
36 --14
37 select sname from student where GPA <=(select min(GPA) from student);
38 --15
39 select major,count(major) from Apply group by major having count(*) in (select max(count(major)) from apply group by major);
40 --16
41 select sname,sizeHS,sid from student where sizeHS!=(select min(sizeHS) from student);
42
```

SNAME	SIZEHS	SID
Amy	1000	123
Bob	1500	234
Craig	500	345
Doris	1000	456
Eduard	2000	567
Gary	800	789
Helen	800	987
Irene	400	876

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Oracle Live SQL interface showing a SQL Worksheet with a query and its results.

SQL Worksheet

```
24 apply group by sname having sname = 'Jay';
25 --10
26 select sname,count(cname) from student natural join apply group by sname
27 having count(cname)>=(select count(cname) from
28 student natural join apply where sname = 'Jay');
29 --11
30 select sid from student natural join apply where major='CS' and
31 sname NOT IN (select sname from student natural join apply where major='EE');
32 --12
33 select cname from college c1 where exists (select cname from college c2 where c1.state=c2.state and c1.cname!=c2.cname);
34 --13
35 select cname from college where enrollment=(select max(enrollment) from college);
36 --14
37 select sname from student where GPA <=(select min(GPA) from student);
38 --15
39 select major,count(major) from Apply group by major having count(*) in (select max(count(major)) from apply group by major);
40 --16
41 select sname,sizeHS,sid from student where sizeHS!=(select min(sizeHS) from student);
42 --17
43 select distinct sname from student natural join apply where cname IN (select cname from student natural join apply where sid=985);
44
```

no data found

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Oracle Live SQL interface showing a SQL Worksheet with a query and its results.

SQL Worksheet

```
--26 select sname,count(cname) from student natural join apply group by sname
--27 having count(cname)>=(select count(cname) from
--28 student natural join apply where sname = 'Jay');
--29 --11
--30 select sid from student natural join apply where major='CS' and
--31 sname NOT IN (select sname from student natural join apply where major='EE');
--32 --12
--33 select cname from college c1 where exists (select cname from college c2 where c1.state=c2.state and c1.cname!=c2.cname);
--34 --13
--35 select cname from college where enrollment=(select max(enrollment) from college);
--36 --14
--37 select sname from student where GPA =(select min(GPA) from student);
--38 --15
--39 select major,count(major) from Apply group by major having count(*) in (select max(count(major)) from apply group by major);
--40 --16
--41 select sname,sizeHS,sID from student where sizeHS!=(select min(sizeHS) from student);
--42 --17
--43 select distinct sname from student natural join apply where cname IN (select cname from student natural join apply where sid=985);
--44 --18
--45 select sid from apply where sid not in (select sid from apply where cname='stanford');
--46
```

Results:

SID
543
876
876
876
987
987
345

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Oracle Live SQL interface showing a SQL Worksheet with a query and its results.

SQL Worksheet

```
--29 --11
--30 select sid from student natural join apply where major='CS' and
--31 sname NOT IN (select sname from student natural join apply where major='EE');
--32 --12
--33 select cname from college c1 where exists (select cname from college c2 where c1.state=c2.state and c1.cname!=c2.cname);
--34 --13
--35 select cname from college where enrollment=(select max(enrollment) from college);
--36 --14
--37 select sname from student where GPA =(select min(GPA) from student);
--38 --15
--39 select major,count(major) from Apply group by major having count(*) in (select max(count(major)) from apply group by major);
--40 --16
--41 select sname,sizeHS,sID from student where sizeHS!=(select min(sizeHS) from student);
--42 --17
--43 select distinct sname from student natural join apply where cname IN (select cname from student natural join apply where sid=985);
--44 --18
--45 select sid from apply where sid not in (select sid from apply where cname='stanford');
--46 --19
--47 select sid from apply where sid in (select sid from apply where cname='Berkely' and
--48 sid in(select sid from apply where cname='Stanford'));
--49
```

Results:

no data found

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Oracle Live SQL interface showing two screenshots of an SQL Worksheet. The first screenshot displays a complex SQL query involving joins and subqueries, with a list of college names (CNAME) below it. The second screenshot shows the same query with a table creation statement at the bottom, indicating the table was created successfully.

Oracle Live SQL

SQL Worksheet

Clear Actions Save Run

```
--12
31 select sid from student natural join apply where major='CS' and
32 sname not in (select sname from student natural join apply where major='EE');
33
34 select cname from college c1 where exists (select cname from college c2 where c1.state=c2.state and c1.cname=c2.cname);
35
36 select cname from college where enrollment=(select max(enrollment) from college);
37
38 select sname from student where GPA =(select min(GPA) from student);
39
40 select major,count(major) from Apply group by major having count(*) in (select max(count(major)) from apply group by major);
41
42 select sname,sizeH5,sID from student where sizeH5=(select min(sizeH5) from student);
43
44 select distinct sname from student natural join apply where cname in (select cname from student natural join apply where sid=985);
45
46 select sid from apply where sid not in (select sid from apply where cname='stanford');
47
48 select sid from apply where sid in (select sid from apply where cname='Berkely' and
49 sid in(select sid from apply where cname='Stanford'));
50
51 select cname from college union all(select sname from student);
```

CNAME

Berkeley
Cornell
Harvard
HIT
Stanford
Any
Bob
Craie

Table created.

Oracle Live SQL 19.3.1, running Oracle Database 19c Enterprise Edition - 19.4.0.0.0 Built with using Oracle APEX

Oracle Live SQL - SQL Worksheet

SQL Worksheet

```
--14
37 select sname from student where GPA =(select min(GPA) from student);
38 --15
39 select major,count(major) from Apply group by major having count(*) in (select max(count(major)) from apply group by major);
40 --16
41 select sname,sizeHS,sID from student where sizeHS=(select min(sizeHS) from student);
42 --17
43 select distinct sname from student natural join apply where cname in (select cname from student natural join apply where sid=985);
44 --18
45 select sid from apply where sid not in (select sid from apply where cname='stanford');
46 --19
47 select sid from apply where sid in (select sid from apply where cname='Berkely' and
48 sid in(select sid from apply where cname='Stanford'));
49 --20
50 select cname from college union all(select sname from student);
51 --21
52 create table applicationInfo(sid int,sname varchar2(10),noofapp number(2));
53 --22
54 create table applicationdata as(select s.sid,sname from student s
55 apply a where s.sid = a.sid);
56
```

Table created.

Oracle Live SQL - SQL Worksheet

```
--15
39 select major,count(major) from Apply group by major having count(*) in (select max(count(major)) from apply group by major);
40 --16
41 select sname,sizeHS,sID from student where sizeHS=(select min(sizeHS) from student);
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54 create table applicationdata as(select s.sid,sname from student s
55 apply a where s.sid = a.sid);
56 --23
57 select sid from apply where sid in(select sid from apply where
58 cname='Berkely'and sid in (select sid from apply where cname='Stanford'));
```

no data found

Oracle Live SQL - SQL Worksheet

Oracle Live SQL

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Clear Actions Save Run

```
43 --1/
44 select distinct sname from student natural join apply where cname IN (select cname from student natural join apply where sid=985);
45 --18
46 select sid from apply where sid not in (select sid from apply where cname='stanford');
47 --19
48 select sid from apply where sid in (select sid from apply where cname='Berkely' and
49 sid in(select sid from apply where cname='Stanford'));
50 --20
51 select cname from college union all(select sname from student);
52 --21
53 create table applicationinfo(sid int,sname varchar2(10),noofapp number(2));
54 --22
55 create table applicationdata as(select s.sid,sname from student s
56 apply a where s.sid = a.sid);
57 --23
58 select sid from apply where sid in(select sid from apply where
59 cname='Berkely'and sid in (select sid from apply where cname='Stanford'));
60 --25
61 Delete from apply where cname=(select cname from
62 college where state='NY');
```

6 row(s) deleted.

Oracle Integrated Cloud

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