

EX. No. 10

Query with Subquery and Correlated Query

Output:

```
MySQL 8.0 Command Line Cli  x  +  v
Database changed
mysql> create table students(id int primary key,name varchar(20),deptname varchar(30));
Query OK, 0 rows affected (0.06 sec)

mysql> insert into students(id,name,deptname)values(1,'A','cse');
Query OK, 1 row affected (0.01 sec)

mysql> insert into students(id,name,deptname)values(2,'B','cse');
Query OK, 1 row affected (0.01 sec)

mysql> insert into students(id,name,deptname)values(3,'C','mech');
Query OK, 1 row affected (0.02 sec)

mysql> insert into students(id,name,deptname)values(4,'D','mech');
Query OK, 1 row affected (0.01 sec)

mysql> insert into students(id,name,deptname)values(5,'E','eee');
Query OK, 1 row affected (0.02 sec)

mysql> select name from students where id in (select id from students where deptname='cse');
+-----+
| name |
+-----+
| A     |
| B     |
+-----+
2 rows in set (0.02 sec)

mysql> select id,name from students t1 where id=(select name from students t2 where t1.id=t2.name);
Empty set, 25 warnings (0.02 sec)

mysql> select name from students s where exists(select 1 from deptname d where s.id=d.id and d.deptname='mech');
ERROR 1146 (42S02): Table 'note101.deptname' doesn't exist
mysql> select name from students s where exists(select 1 from students d where s.id=d.id and d.deptname='mech');
+-----+
| name |
+-----+
| C     |
| D     |
+-----+
2 rows in set (0.00 sec)
```