select \* from Employee;  
+-----+-------+--------------+---------+------+-------+  
| eno | ename | job          | salary  | DNO  | Grade |  
+-----+-------+--------------+---------+------+-------+  
|   1 | ABC   | Clerk        |    5000 |   10 | A     |  
|   2 | BCD   | Manager      |  100000 |   30 | C     |  
|   3 | CDE   | IT professor |  200000 |   20 | D     |  
|   4 | DEF   | Manager      | 1500000 |   20 | F     |  
+-----+-------+--------------+---------+------+-------+  
4 rows in set (0.00 sec)  
  
mysql> select \* from Dept;  
+-----+---------+-----------+  
| DNO | dname   | Location  |  
+-----+---------+-----------+  
|  10 | Banking | Chennai   |  
|  20 | IT      | Banglore  |  
|  30 | Finance | Delhi     |  
|  40 | Hr      | Hyderabad |  
+-----+---------+-----------+  
4 rows in set (0.00 sec)  
  
mysql> select \* from Salary\_grade;  
+-------+---------+----------+  
| Grade | Low\_sal | High\_sal |  
+-------+---------+----------+  
| A     |   20000 |    50000 |  
| B     |   50001 |    99999 |  
| C     |  100000 |   149999 |  
| D     |  150000 |   199999 |  
| E     |  200000 |   250000 |  
+-------+---------+----------+  
5 rows in set (0.00 sec)  
  
mysql> select DNO,dname from Dept where DNO in (select DNO from Employee);  
+-----+---------+  
| DNO | dname   |  
+-----+---------+  
|  10 | Banking |  
|  20 | IT      |  
|  30 | Finance |  
+-----+---------+  
3 rows in set (0.01 sec)  
  
mysql> select ename from Employee where Job = (select Job from Employee where ename = 'DEF');  
+-------+  
| ename |  
+-------+  
| BCD   |  
| DEF   |  
+-------+  
2 rows in set (0.00 sec)  
  
mysql> select ename from Employee where Job = (select Job from Employee where ename = 'DEF') and ename <> 'DEF';  
+-------+  
| ename |  
+-------+  
| BCD   |  
+-------+  
1 row in set (0.00 sec)  
  
mysql> select ename, Salary from Employee where Salary > (select Salary from Employee where DNO = 30);  
+-------+---------+  
| ename | Salary  |  
+-------+---------+  
| CDE   |  200000 |  
| DEF   | 1500000 |  
+-------+---------+  
2 rows in set (0.00 sec)  
  
mysql>  select Low\_sal from Salary\_grade where Grade = (select Grade from Employee where ename ='ABC');  
+---------+  
| Low\_sal |  
+---------+  
|   20000 |  
+---------+  
1 row in set (0.00 sec)  
  
mysql> select dname from Dept where DNO = (select DNO from Employee where Salary = (select max(Salary) from Employee));  
+-------+  
| dname |  
+-------+  
| IT    |  
+-------+  
1 row in set (0.00 sec)  
  
mysql> select avg(Salary) from Employee where DNO = (select DNO from Dept where dname = 'IT');  
+-------------+  
| avg(Salary) |  
+-------------+  
| 850000.0000 |  
+-------------+  
1 row in set (0.00 sec)  
  
mysql> select \* from Employee where DNO = (select DNO from Dept where dname = 'IT' ) and Salary >= 170000;  
+-----+-------+--------------+---------+------+-------+  
| eno | ename | job          | salary  | DNO  | Grade |  
+-----+-------+--------------+---------+------+-------+  
|   3 | CDE   | IT professor |  200000 |   20 | D     |  
|   4 | DEF   | Manager      | 1500000 |   20 | F     |  
+-----+-------+--------------+---------+------+-------+  
2 rows in set (0.00 sec)  
  
mysql> select \* from Employee where DNO = (select DNO from Dept where dname = 'IT' ) order by ename;  
+-----+-------+--------------+---------+------+-------+  
| eno | ename | job          | salary  | DNO  | Grade |  
+-----+-------+--------------+---------+------+-------+  
|   3 | CDE   | IT professor |  200000 |   20 | D     |  
|   4 | DEF   | Manager      | 1500000 |   20 | F     |  
+-----+-------+--------------+---------+------+-------+  
2 rows in set (0.00 sec)  
  
mysql> select ename,Job from Employee where DNO = (select DNO from Dept where dname = 'IT' ) order by ename;  
+-------+--------------+  
| ename | Job          |  
+-------+--------------+  
| CDE   | IT professor |  
| DEF   | Manager      |  
+-------+--------------+  
2 rows in set (0.00 sec)