A.

First we are creating Department schema because in Employee schema there is a foreign key referencing to Dno of Department schema

-----Database and Schemas-----

create database EMP_DEPT;

use EMP_DEPT;

create table Department(

       Dno int(5),

       Dname varchar(50),

       Location varchar(50) default("New Delhi"),

       primary key(Dno)

);

```
mysql> desc Department
    -> ;
+----------+-------------+------+-----+---------------------+-------------------+
| Field    | Type        | Null | Key | Default             | Extra             |
+----------+-------------+------+-----+---------------------+-------------------+
| Dno      | int         | NO   | PRI | NULL                |                   |
| Dname    | varchar(50) | YES  |     | NULL                |                   |
| Location | varchar(50) | YES  |     | _cp850\'New Delhi\' | DEFAULT_GENERATED |
+----------+-------------+------+-----+---------------------+-------------------+
3 rows in set (0.04 sec)
```

create table Employee(

       Eno char(3) not null,

       Ename varchar(50) not null,

       Job_type varchar(50) not null,

       SupervisonEno char(3),

       Hire_date date not null,

       Dno int(5),

Commission decimal(10,2),

Salary decimal(7,2) not null,

primary key(Eno),

constraint FK_EmpSupervison foreign key(SupervisonEno) references Employee(Eno),

constraint FK_DepartmentEmp foreign key(Dno) references Department(Dno)

);

```
mysql> desc Employee;
+--------------+---------------+------+-----+---------+-------+
| Field        | Type          | Null | Key | Default | Extra |
+--------------+---------------+------+-----+---------+-------+
| Eno          | char(3)       | NO   | PRI | NULL    |       |
| Ename        | varchar(50)   | NO   |     | NULL    |       |
| Job_type     | varchar(50)   | NO   |     | NULL    |       |
| SupervisonEno| char(3)       | YES  | MUL | NULL    |       |
| Hire_date    | date          | NO   |     | NULL    |       |
| Dno          | int           | YES  | MUL | NULL    |       |
| Commission   | decimal(10,2) | YES  |     | NULL    |       |
| Salary       | decimal(7,2)  | NO   |     | NULL    |       |
+--------------+---------------+------+-----+---------+-------+
8 rows in set (0.01 sec)
```

<u>Dummy data is entered into both tables</u>

<u>Department Table data</u>

insert into department(Dno, Dname, Location)

       values(1,"Creative","UK"),

       (10,"Accounting","New York"),

       (20,"Research","Bengaluru"),

       (30,"Sales","Chicago"),

       (40,"Operation","Boston"),

       (50,"Marketing","New Delhi");

Employee Table data

insert into employee(Eno, Ename, Job_type, SupervisonEno, Hire_date, Dno, Commission, Salary)

values('783','King','President',NULL,'1981-11-17',10,0.00,2950.00),

('756','Jones','Manager','783','1981-04-02',20,0.00,2300.00),

('769','Blake','Manager','783','1981-05-01',30,0.00,2870.00),

('778','Clark','Manager','783','1981-06-09',10,0.00,2900.00),

('788','Scott','Analyst','756','1982-12-09',20,0.00,2850.00),

('792','Ford','Analyst','756','1981-12-03',20,0.00,2600.00),

('749','Allan','Sales_man','769','1981-02-20',30,300.00,2000.00),

('752','Ward','Sales_man','769','1981-02-22',30,500.00,1300.00),

('784','Turner','Sales_man','769','1981-09-08',30,0.00,1450.00),
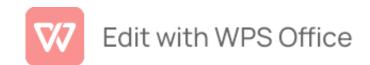
('790','James','Clerk','769','1981-12-03',30,0.00,950.00),

('787','Adams','Clerk','778','1983-01-12',20,0.00,1150.00),

('793','Miller','Clerk','788','1982-01-23',40,0.00,1300.00),

('765','Martin','Sales_man','784','1981-04-22',30,1400.00,1250.00),

('736','Smith','Clerk','790','1981-12-17',20,0.00,1000.00);

---Queries----

1. select Eno,Ename,Job_type,Hire_date from employee;

```
mysql> select Eno,Ename,Job_type,Hire_date from employee;
+-----+--------+-----------+------------+
| Eno | Ename  | Job_type  | Hire_date  |
+-----+--------+-----------+------------+
| 736 | Smith  | Clerk     | 1981-12-17 |
| 749 | Allan  | Sales_man | 1981-02-20 |
| 752 | Ward   | Sales_man | 1981-02-22 |
| 756 | Jones  | Manager   | 1981-04-02 |
| 765 | Martin | Sales_man | 1981-04-22 |
| 769 | Blake  | Manager   | 1981-05-01 |
| 778 | Clark  | Manager   | 1981-06-09 |
| 783 | King   | President | 1981-11-17 |
| 784 | Turner | Sales_man | 1981-09-08 |
| 787 | Adams  | Clerk     | 1983-01-12 |
| 788 | Scott  | Analyst   | 1982-12-09 |
| 790 | James  | Clerk     | 1981-12-03 |
| 792 | Ford   | Analyst   | 1981-12-03 |
| 793 | Miller | Clerk     | 1982-01-23 |
+-----+--------+-----------+------------+
14 rows in set (0.00 sec)
```

2. select distinct Job_type form employee

```
mysql> select distinct Job_type from employee
    -> ;
+-----------+
| Job_type  |
+-----------+
| Clerk     |
| Sales_man |
| Manager   |
| President |
| Analyst   |
+-----------+
5 rows in set (0.03 sec)
```
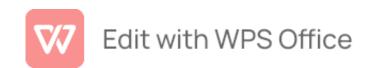
3. select concat(Ename,",",Job_type) as Name_Job from Employee;

```
mysql> select concat(Ename,",",Job_type) as Name_Job from Employee;
+------------------+
| Name_Job         |
+------------------+
| Smith,Clerk      |
| Allan,Sales_man  |
| Ward,Sales_man   |
| Jones,Manager    |
| Martin,Sales_man |
| Blake,Manager    |
| Clark,Manager    |
| King,President   |
| Turner,Sales_man |
| Adams,Clerk      |
| Scott,Analyst    |
| James,Clerk      |
| Ford,Analyst     |
| Miller,Clerk     |
+------------------+
14 rows in set (0.01 sec)
```

4. select
concat(Eno,",",Ename,",",Job_type,",",SupervisonEno,",",Hire_date,",",Dno,",",Commission,",",S
alary) as The_Output from employee;

```
mysql> select concat(Eno,",",Ename,",",Job_type,",",SupervisonEno,",",Hire_date,",",Dno,",",Commission,",",Salary) as The_Output from employee;
+----------------------------------------------------------+
| The_Output                                               |
+----------------------------------------------------------+
| 736,Smith,Clerk,790,1981-12-17,20,0.00,1000.00           |
| 749,Allan,Sales_man,769,1981-02-20,30,300.00,2000.00     |
| 752,Ward,Sales_man,769,1981-02-22,30,500.00,1300.00      |
| 756,Jones,Manager,783,1981-04-02,20,0.00,2300.00         |
| 765,Martin,Sales_man,784,1981-04-22,30,1400.00,1250.00   |
| 769,Blake,Manager,783,1981-05-01,30,0.00,2870.00         |
| 778,Clark,Manager,783,1981-06-09,10,0.00,2900.00         |
| NULL                                                     |
| 784,Turner,Sales_man,769,1981-09-08,30,0.00,1450.00      |
| 787,Adams,Clerk,778,1983-01-12,20,0.00,1150.00           |
| 788,Scott,Analyst,756,1982-12-09,20,0.00,2850.00         |
| 790,James,Clerk,769,1981-12-03,30,0.00,950.00            |
| 792,Ford,Analyst,756,1981-12-03,20,0.00,2600.00          |
| 793,Miller,Clerk,788,1982-01-23,40,0.00,1300.00          |
+----------------------------------------------------------+
14 rows in set (0.00 sec)
```

5. select Ename,Salary from employee where (Salary+Commission)>2850;

```
mysql> select Ename,Salary from employee where (Salary+Commission)>2850;
+-------+---------+
| Ename | Salary  |
+-------+---------+
| Blake | 2870.00 |
| Clark | 2900.00 |
| King  | 2950.00 |
+-------+---------+
3 rows in set (0.00 sec)
```

6. select Ename,Dno from employee where Eno=79;

```
mysql> select Ename,Dno from employee where Eno=79;
Empty set (0.03 sec)
```

7. select Ename,Salary from employee where salary not between 1500 and 2850;

```
mysql> select Ename,Salary from employee where salary not between 1500 and 2850;
+--------+---------+
| Ename  | Salary  |
+--------+---------+
| Smith  | 1000.00 |
| Ward   | 1300.00 |
| Martin | 1250.00 |
| Blake  | 2870.00 |
| Clark  | 2900.00 |
| King   | 2950.00 |
| Turner | 1450.00 |
| Adams  | 1150.00 |
| James  |  950.00 |
| Miller | 1300.00 |
+--------+---------+
10 rows in set (0.00 sec)
```

8. select Ename,Dno from employee where Dno=10 or Dno=30 order by Ename;

```
mysql> select Ename,Dno from employee where Dno=10 or Dno=30 order by Ename;
+--------+------+
| Ename  | Dno  |
+--------+------+
| Allan  |   30 |
| Blake  |   30 |
| Clark  |   10 |
| James  |   30 |
| King   |   10 |
| Martin |   30 |
| Turner |   30 |
| Ward   |   30 |
+--------+------+
8 rows in set (0.00 sec)
```

9. select Ename,Hire_date from Employee where Hire_date like "1981%";

```
mysql> select Ename,Hire_date from Employee where Hire_date like "1981%";
+--------+------------+
| Ename  | Hire_date  |
+--------+------------+
| Smith  | 1981-12-17 |
| Allan  | 1981-02-20 |
| Ward   | 1981-02-22 |
| Jones  | 1981-04-02 |
| Martin | 1981-04-22 |
| Blake  | 1981-05-01 |
| Clark  | 1981-06-09 |
| King   | 1981-11-17 |
| Turner | 1981-09-08 |
| James  | 1981-12-03 |
| Ford   | 1981-12-03 |
+--------+------------+
11 rows in set (0.00 sec)
```

10. select Ename,Job_type from Employee where SupervisonEno is NULL;

```
mysql> select Ename,Job_type from Employee where SupervisonEno is NULL;
+-------+-----------+
| Ename | Job_type  |
+-------+-----------+
| King  | President |
+-------+-----------+
1 row in set (0.00 sec)
```

11&12. select Ename,Salary,Commission from employee where Commission>0.0 order by salary desc, commission desc;

```
mysql> select Ename,Salary,Commission from employee where Commission>0.0 order by salary desc, commission desc;
+--------+---------+------------+
| Ename  | Salary  | Commission |
+--------+---------+------------+
| Allan  | 2000.00 |     300.00 |
| Ward   | 1300.00 |     500.00 |
| Martin | 1250.00 |    1400.00 |
+--------+---------+------------+
3 rows in set (0.00 sec)
```

13. select Ename from employee where Ename like "__a%";

```
mysql> select Ename from employee where Ename like "__a%";
+-------+
| Ename |
+-------+
| Blake |
| Clark |
| Adams |
+-------+
3 rows in set (0.00 sec)
```

14. select Ename from employee where Ename like "%r%r%" or Ename like "%a%a%" and Dno=30 or SupervisonEno=7788;

```
mysql> select Ename from employee where Ename like "%r%r%" or Ename like "%a%a%" and Dno=30 or SupervisonEno=7788;
+--------+
| Ename  |
+--------+
| Allan  |
| Turner |
+--------+
2 rows in set (0.00 sec)
```

15. select Ename,Salary,Commission from employee where Commission > (Salary*1.05);

```
mysql> select Ename,Salary,Commission from employee where Commission > (Salary*1.05);
+--------+---------+------------+
| Ename  | Salary  | Commission |
+--------+---------+------------+
| Martin | 1250.00 |    1400.00 |
+--------+---------+------------+
1 row in set (0.00 sec)
```

16.   select curdate(),dayname(curdate());

```
mysql> select curdate(),dayname(curdate());
+------------+--------------------+
| curdate()  | dayname(curdate()) |
+------------+--------------------+
| 2023-05-06 | Saturday           |
+------------+--------------------+
1 row in set (0.02 sec)
```

17. select Ename,Hire_date,date_add(date_add(Hire_date,interval 6 month),interval(7-weekday(date_add(Hire_date,interval 6 month)))day) as Salary_Review_Date from employee;

```
mysql> select Ename,Hire_date,date_add(date_add(Hire_date,interval 6 month),interval(7-weekday(date_add(Hire_date,interval 6 month)))day) as Salary_Review_Date from employee;
+--------+------------+--------------------+
| Ename  | Hire_date  | Salary_Review_Date |
+--------+------------+--------------------+
| Smith  | 1981-12-17 | 1982-06-21         |
| Allan  | 1981-02-20 | 1981-08-24         |
| Ward   | 1981-02-22 | 1981-08-24         |
| Jones  | 1981-04-02 | 1981-10-05         |
| Martin | 1981-04-22 | 1981-10-26         |
| Blake  | 1981-05-01 | 1981-11-02         |
| Clark  | 1981-06-09 | 1981-12-14         |
| King   | 1981-11-17 | 1982-05-24         |
| Turner | 1981-09-08 | 1982-03-15         |
| Adams  | 1983-01-12 | 1983-07-18         |
| Scott  | 1982-12-09 | 1983-06-13         |
| James  | 1981-12-03 | 1982-06-07         |
| Ford   | 1981-12-03 | 1982-06-07         |
| Miller | 1982-01-23 | 1982-07-26         |
+--------+------------+--------------------+
14 rows in set (0.00 sec)
```

18.   select Ename, 12*(year(curdate())-year(Hire_date))+month(curdate())-month(Hire_date) as Month from employee;

```
mysql> select Ename, 12*(year(curdate())-year(Hire_date))+month(curdate())-month(Hire_date) as Month from employee;
+--------+-------+
| Ename  | Month |
+--------+-------+
| Smith  |   497 |
| Allan  |   507 |
| Ward   |   507 |
| Jones  |   505 |
| Martin |   505 |
| Blake  |   504 |
| Clark  |   503 |
| King   |   498 |
| Turner |   500 |
| Adams  |   484 |
| Scott  |   485 |
| James  |   497 |
| Ford   |   497 |
| Miller |   496 |
+--------+-------+
14 rows in set (0.00 sec)
```

19. select concat(Ename," earns ",Salary," monthly but wants ",3*Salary) as Dream_Salary from employee;

```
mysql> select concat(Ename," earns ",Salary," monthly but wants ",3*Salary) as Dream_Salary from employee;
+-----------------------------------------------+
| Dream_Salary                                  |
+-----------------------------------------------+
| Smith earns 1000.00 monthly but wants 3000.00 |
| Allan earns 2000.00 monthly but wants 6000.00 |
| Ward earns 1300.00 monthly but wants 3900.00  |
| Jones earns 2300.00 monthly but wants 6900.00 |
| Martin earns 1250.00 monthly but wants 3750.00 |
| Blake earns 2870.00 monthly but wants 8610.00 |
| Clark earns 2900.00 monthly but wants 8700.00 |
| King earns 2950.00 monthly but wants 8850.00  |
| Turner earns 1450.00 monthly but wants 4350.00 |
| Adams earns 1150.00 monthly but wants 3450.00 |
| Scott earns 2850.00 monthly but wants 8550.00 |
| James earns 950.00 monthly but wants 2850.00  |
| Ford earns 2600.00 monthly but wants 7800.00  |
| Miller earns 1300.00 monthly but wants 3900.00 |
+-----------------------------------------------+
14 rows in set (0.00 sec)
```

20. select concat(upper(substring(Ename,1,1)),Lower(substring(Ename,2,50))) as Name,
length(Ename) as Length from employee where Ename like "J%" or Ename like "A%" or Ename like "M%";

```
mysql> select concat(upper(substring(Ename,1,1)),Lower(substring(Ename,2,50))) as Name, length(Ename) as Length from emp
loyee where Ename like "J%" or Ename like "A%" or Ename like "M%";
+--------+--------+
| Name   | Length |
+--------+--------+
| Allan  |      5 |
| Jones  |      5 |
| Martin |      6 |
| Adams  |      5 |
| James  |      5 |
| Miller |      6 |
+--------+--------+
6 rows in set (0.00 sec)
```

21. select Ename,Hire_date,dayname(Hire_date) as Week_Day from employee;

```
mysql> select Ename,Hire_date,dayname(Hire_date) as Week_Day from employee;
+--------+------------+-----------+
| Ename  | Hire_date  | Week_Day  |
+--------+------------+-----------+
| Smith  | 1981-12-17 | Thursday  |
| Allan  | 1981-02-20 | Friday    |
| Ward   | 1981-02-22 | Sunday    |
| Jones  | 1981-04-02 | Thursday  |
| Martin | 1981-04-22 | Wednesday |
| Blake  | 1981-05-01 | Friday    |
| Clark  | 1981-06-09 | Tuesday   |
| King   | 1981-11-17 | Tuesday   |
| Turner | 1981-09-08 | Tuesday   |
| Adams  | 1983-01-12 | Wednesday |
| Scott  | 1982-12-09 | Thursday  |
| James  | 1981-12-03 | Thursday  |
| Ford   | 1981-12-03 | Thursday  |
| Miller | 1982-01-23 | Saturday  |
+--------+------------+-----------+
14 rows in set (0.00 sec)
```

22. select e.Ename,d.Dname,e.Dno from employee as e, department as d where e.Dno=d.Dno

```
mysql> select e.Ename,d.Dname,e.Dno from employee as e,department as d where e.Dno=d.Dno;
+--------+------------+------+
| Ename  | Dname      | Dno  |
+--------+------------+------+
| Clark  | Accounting |   10 |
| King   | Accounting |   10 |
| Smith  | Research   |   20 |
| Jones  | Research   |   20 |
| Adams  | Research   |   20 |
| Scott  | Research   |   20 |
| Ford   | Research   |   20 |
| Allan  | Sales      |   30 |
| Ward   | Sales      |   30 |
| Martin | Sales      |   30 |
| Blake  | Sales      |   30 |
| Turner | Sales      |   30 |
| James  | Sales      |   30 |
| Miller | Operation  |   40 |
+--------+------------+------+
14 rows in set (0.00 sec)
```

23. select distinct Job_type from employee where Dno=30;

```
mysql> select distinct Job_type from employee where Dno=30;
+-----------+
| Job_type  |
+-----------+
| Sales_man |
| Manager   |
| Clerk     |
+-----------+
3 rows in set (0.00 sec)
```

24. select e.Ename,d.Dname from employee as e,department as d where Ename like "%a%" and e.Dno=d.Dno;

```
mysql> select e.Ename,d.Dname from employee as e,department as d where Ename like "%a%" and e.Dno=d.Dno;
+--------+------------+
| Ename  | Dname      |
+--------+------------+
| Allan  | Sales      |
| Ward   | Sales      |
| Martin | Sales      |
| Blake  | Sales      |
| Clark  | Accounting |
| Adams  | Research   |
| James  | Sales      |
+--------+------------+
7 rows in set (0.00 sec)
```

25. select e.Ename,e.Job_type,e.Dno,d.Dname from employee as e,department as d where d.Location="Bengaluru" and e.Dno=d.Dno;

```
mysql> select e.Ename,e.Job_type,e.Dno,d.Dname from employee as e,department as d where d.Location="Bengaluru" and
 e.Dno=d.Dno;
+-------+----------+------+----------+
| Ename | Job_type | Dno  | Dname    |
+-------+----------+------+----------+
| Smith | Clerk    |   20 | Research |
| Jones | Manager  |   20 | Research |
| Adams | Clerk    |   20 | Research |
| Scott | Analyst  |   20 | Research |
| Ford  | Analyst  |   20 | Research |
+-------+----------+------+----------+
5 rows in set (0.00 sec)
```

26. select e.Ename as Sname,e.Eno as S_Eno,d.Ename,d.Eno from employee as e left outer join employee as d on e.Eno=d.SupervisonEno;

```
mysql> select e.Ename as Sname,e.Eno as S_Eno,d.Ename,d.Eno from employee as e left outer join employee as
 d on e.Eno=d.SupervisonEno;
+--------+-------+--------+------+
| Sname  | S_Eno | Ename  | Eno  |
+--------+-------+--------+------+
| Smith  | 736   | NULL   | NULL |
| Allan  | 749   | NULL   | NULL |
| Ward   | 752   | NULL   | NULL |
| Jones  | 756   | Scott  | 788  |
| Jones  | 756   | Ford   | 792  |
| Martin | 765   | NULL   | NULL |
| Blake  | 769   | Allan  | 749  |
| Blake  | 769   | Ward   | 752  |
| Blake  | 769   | Turner | 784  |
| Blake  | 769   | James  | 790  |
| Clark  | 778   | Adams  | 787  |
| King   | 783   | Jones  | 756  |
| King   | 783   | Blake  | 769  |
| King   | 783   | Clark  | 778  |
| Turner | 784   | Martin | 765  |
| Adams  | 787   | NULL   | NULL |
| Scott  | 788   | Miller | 793  |
| James  | 790   | Smith  | 736  |
| Ford   | 792   | NULL   | NULL |
| Miller | 793   | NULL   | NULL |
+--------+-------+--------+------+
20 rows in set (0.00 sec)
```

27. select Ename,Eno,Salary from employee where (Eno,Salary) in (select Eno,Salary from employee where commission>0);

```
mysql> select Ename,Eno,Salary from employee where (Eno,Salary) in (select Eno,Salary from employee where commission>0);
+--------+-----+---------+
| Ename  | Eno | Salary  |
+--------+-----+---------+
| Allan  | 749 | 2000.00 |
| Ward   | 752 | 1300.00 |
| Martin | 765 | 1250.00 |
+--------+-----+---------+
3 rows in set (0.00 sec)
```

28. select Ename,repeat("*",(Salary/100)) as Salary_In_Star from employee;

```
mysql> select Ename,repeat("*",(Salary/100)) as Salary_In_Star from employee;
+--------+--------------------------------+
| Ename  | Salary_In_Star                 |
+--------+--------------------------------+
| Smith  | **********                     |
| Allan  | *******************            |
| Ward   | *************                  |
| Jones  | **********************         |
| Martin | *************                  |
| Blake  | ***************************    |
| Clark  | ***************************    |
| King   | *****************************  |
| Turner | **************                 |
| Adams  | ************                   |
| Scott  | ****************************   |
| James  | **********                     |
| Ford   | ************************       |
| Miller | *************                  |
+--------+--------------------------------+
14 rows in set (0.00 sec)
```

29. select max(Salary),min(Salary),sum(Salary),avg(Salary) from employee;

```
mysql> select max(Salary),min(Salary),sum(Salary),avg(Salary) from employee;
+-------------+-------------+-------------+-------------+
| max(Salary) | min(Salary) | sum(Salary) | avg(Salary) |
+-------------+-------------+-------------+-------------+
|     2950.00 |      950.00 |    26870.00 | 1919.285714 |
+-------------+-------------+-------------+-------------+
1 row in set (0.04 sec)
```

30. select Job_type, count(*) from employee group by Job_type;

```
mysql> select Job_type, count(*) from employee group by Job_type;
+-----------+----------+
| Job_type  | count(*) |
+-----------+----------+
| Clerk     |        4 |
| Sales_man |        4 |
| Manager   |        3 |
| President |        1 |
| Analyst   |        2 |
+-----------+----------+
5 rows in set (0.00 sec)
```

31. select count(distinct SupervisonEno) from employee;

```
mysql> select count(distinct SupervisonEno) from employee;
+-------------------------------+
| count(distinct SupervisonEno) |
+-------------------------------+
|                             7 |
+-------------------------------+
1 row in set (0.00 sec)
```

32. select d.Dname,d.Location,avg(e.Salary),count(*) from employee as e,department as d where e.Dno=d.Dno group by d.Dname,d.Location;

```
mysql> select d.Dname,d.Location,avg(e.Salary),count(*) from employee as e,department as d where e.Dno=d.Dno group by
 d.Dname,d.Location;
+------------+-----------+---------------+----------+
| Dname      | Location  | avg(e.Salary) | count(*) |
+------------+-----------+---------------+----------+
| Research   | Bengaluru |   1980.000000 |        5 |
| Sales      | Chicago   |   1636.666667 |        6 |
| Accounting | New York  |   2925.000000 |        2 |
| Operation  | Boston    |   1300.000000 |        1 |
+------------+-----------+---------------+----------+
4 rows in set (0.00 sec)
```

33. select Ename,Hire_date from Employee where Dno=(select Dno from employee where Ename="Blake");

```
mysql> select Ename,Hire_date from Employee where Dno=(select Dno from employee where Ename="Blake");
+--------+------------+
| Ename  | Hire_date  |
+--------+------------+
| Allan  | 1981-02-20 |
| Ward   | 1981-02-22 |
| Martin | 1981-04-22 |
| Blake  | 1981-05-01 |
| Turner | 1981-09-08 |
| James  | 1981-12-03 |
+--------+------------+
6 rows in set (0.00 sec)
```

34. select Eno, Ename from employee where Salary>(select avg(Salary) from employee);

```
mysql> select Eno, Ename from employee where Salary>(select avg(Salary) from employee);
+-----+-------+
| Eno | Ename |
+-----+-------+
| 749 | Allan |
| 756 | Jones |
| 769 | Blake |
| 778 | Clark |
| 783 | King  |
| 788 | Scott |
| 792 | Ford  |
+-----+-------+
7 rows in set (0.00 sec)
```

35. select e.Eno,e.Ename from employee as e, employee as d where e.SupervisonEno=d.Eno and d.Ename like "%t%";

```
mysql> select e.Eno,e.Ename from employee as e, employee as d where e.SupervisonEno=d.Eno and d.Ename like "%t%";
+-----+--------+
| Eno | Ename  |
+-----+--------+
| 765 | Martin |
| 793 | Miller |
+-----+--------+
2 rows in set (0.00 sec)
```

36. select Ename,Salary from employee where SupervisonEno=(select Eno from employee where Ename="King");

```
mysql> select Ename,Salary from employee where SupervisonEno=(select Eno from employee where Ename="King");
+-------+---------+
| Ename | Salary  |
+-------+---------+
| Jones | 2300.00 |
| Blake | 2870.00 |
| Clark | 2900.00 |
+-------+---------+
3 rows in set (0.00 sec)
```

37. select d.Dno,e.Ename,d.Dname,e.Job_type from employee as e,department as d where d.Dno=e.Dno and d.Dname="Sales";

```
mysql> select d.Dno,e.Ename,d.Dname,e.Job_type from employee as e,department as d where
 d.Dno=e.Dno and d.Dname="Sales";
+-----+--------+-------+-----------+
| Dno | Ename  | Dname | Job_type  |
+-----+--------+-------+-----------+
|  30 | Allan  | Sales | Sales_man |
|  30 | Ward   | Sales | Sales_man |
|  30 | Martin | Sales | Sales_man |
|  30 | Blake  | Sales | Manager   |
|  30 | Turner | Sales | Sales_man |
|  30 | James  | Sales | Clerk     |
+-----+--------+-------+-----------+
6 rows in set (0.00 sec)
```