

SQL Queries –day1

1. Display all the information of the EMP table?
2. Display unique Jobs from EMP table?
3. List the emps in the asc order of their Salaries?
4. List the details of the emps in asc order of the Dptnos and desc of Jobs?
5. Display all the unique job groups in the descending order?
6. Display all the details of all 'Mgrs'?
7. List the Empno, Ename, Sal, Daily sal of all emps in the asc order of Annsal.
8. Display all the details of the emps whose Comm. Is less than their Sal.
9. List the emps who are either 'CLERK' or 'ANALYST' in the Desc order.
10. List the emp who are working for the Deptno 10 or 20.
11. List the emps Who Annual sal ranging from 22000 and 45000.
12. List the Enames those are having five characters in their Names.
13. List the Enames those are starting with 'S' and with five characters.
14. List the emps those are having four chars and third character must be 'r'.
15. List the Five character names starting with 'S' and ending with 'H'.
16. List the emps whose names having a character set 'll' together.
17. List the emps who does not belong to Deptno 20.
18. List all the emps except 'PRESIDENT' & 'MGR' in asc order of Salaries.
19. List the emps whose Empno not starting with digit 78.
20. List all the Clerks of Deptno 20.
21. Display the details of SMITH.
22. Display the location of SMITH.

```
mysql> USE edacmay2021;
```

Database changed

```
mysql> SOURCE E:\E-DAC\DBT\DAY1\demobld1.sql
```

Query OK, 0 rows affected, 5 warnings (0.05 sec)

```
mysql> SHOW DATABASES;
```

Database
edacmay2021
hr
information_schema
mysql
performance_schema
sakila
sys
world

8 rows in set (0.00 sec)

```
mysql> USE edacmay2021;
```

Database changed

1.Display all the information of the EMP table?

```
mysql> desc emp;
```

Field	Type	Null	Key	Default	Extra
EMPNO	int	NO		NULL	
ENAME	varchar(10)	YES		NULL	
JOB	varchar(9)	YES		NULL	
MGR	int	YES		NULL	
HIREDATE	date	YES		NULL	
SAL	double(7,2)	YES		NULL	
COMM	double(7,2)	YES		NULL	
DEPTNO	int	YES		NULL	

```
+-----+-----+-----+-----+-----+-----+
```

8 rows in set (0.00 sec)

mysql> SELECT * FROM emp;

```
+-----+-----+-----+-----+-----+-----+-----+-----+
```

```
| EMPNO | ENAME  | JOB      | MGR | HIREDATE   | SAL   | COMM  | DEPTNO |
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+
```

```
| 7369 | SMITH  | CLERK    | 7902 | 1980-12-17 | 800.00 | NULL  | 20 |
| 7499 | ALLEN  | SALESMAN | 7698 | 1981-02-20 | 1600.00 | 300.00 | 30 |
| 7521 | WARD   | SALESMAN | 7698 | 1981-02-22 | 1250.00 | 500.00 | 30 |
| 7566 | JONES  | MANAGER  | 7839 | 1981-04-02 | 2975.00 | NULL  | 20 |
| 7654 | MARTIN | SALESMAN | 7698 | 1981-09-28 | 1250.00 | 1400.00 | 30 |
| 7698 | BLAKE  | MANAGER  | 7839 | 1981-05-01 | 2850.00 | NULL  | 30 |
| 7782 | CLARK  | MANAGER  | 7839 | 1981-06-09 | 2450.00 | NULL  | 10 |
| 7788 | SCOTT  | ANALYST  | 7566 | 1982-12-09 | 3000.00 | NULL  | 20 |
| 7839 | KING   | PRESIDENT | NULL | 1981-11-17 | 5000.00 | NULL  | 10 |
| 7844 | TURNER | SALESMAN | 7698 | 1981-09-08 | 1500.00 | 0.00  | 30 |
| 7876 | ADAMS  | CLERK    | 7788 | 1983-01-12 | 1100.00 | NULL  | 20 |
| 7900 | JAMES  | CLERK    | 7698 | 1981-12-03 | 950.00  | NULL  | 30 |
| 7902 | FORD   | ANALYST  | 7566 | 1981-12-03 | 3000.00 | NULL  | 20 |
| 7934 | MILLER | CLERK    | 7782 | 1982-01-23 | 1300.00 | NULL  | 10 |
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+
```

14 rows in set (0.00 sec)

2.Display unique Jobs from EMP table?

mysql> SELECT DISTINCT JOB FROM emp;

```
+-----+
```

```
| JOB      |
```

```
+-----+
```

```
| CLERK    |
```

```
| SALESMAN |
```

```
| MANAGER  |
```

```
| ANALYST  |
```

```
| PRESIDENT |
```

```
+-----+
```

5 rows in set (0.00 sec)

3.List the emps in the asc order of their Salaries?

mysql> SELECT * FROM EMP ORDER BY SAL;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20
7839	KING	PRESIDENT	NULL	1981-11-17	5000.00	NULL	10

14 rows in set (0.00 sec)

4. List the details of the emps in asc order of the Dptnos and desc of Jobs?

mysql> SELECT * FROM EMP ORDER BY DEPTNO, JOB DESC;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7839	KING	PRESIDENT	NULL	1981-11-17	5000.00	NULL	10
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30

14 rows in set (0.00 sec)

5.Display all the unique job groups in the descending order?

mysql> select distinct job from emp order by job desc;

```
+-----+
| job    |
+-----+
| SALESMAN |
| PRESIDENT |
| MANAGER  |
| CLERK    |
| ANALYST  |
+-----+
```

5 rows in set (0.

6.Display all the details of all 'Mgrs'

mysql> SELECT MGR FROM emp;

```
+-----+
| MGR |
+-----+
| 7902 |
| 7698 |
| 7698 |
| 7839 |
| 7698 |
| 7839 |
| 7839 |
| 7566 |
| NULL |
| 7698 |
| 7788 |
| 7698 |
| 7566 |
| 7782 |
+-----+
```

14 rows in set (0.00 sec)

7.List the Empno, Ename, Sal, Daily sal of all emps in the asc order of Annsal.

mysql> SELECT EMPNO,ENAME,SAL FROM emp ORDER BY SAL;

```
+-----+-----+-----+
```

EMPNO	ENAME	SAL
7369	SMITH	800.00
7900	JAMES	950.00
7876	ADAMS	1100.00
7521	WARD	1250.00
7654	MARTIN	1250.00
7934	MILLER	1300.00
7844	TURNER	1500.00
7499	ALLEN	1600.00
7782	CLARK	2450.00
7698	BLAKE	2850.00
7566	JONES	2975.00
7788	SCOTT	3000.00
7902	FORD	3000.00
7839	KING	5000.00

14 rows in set (0.00 sec)

8.Display all the details of the emps whose Comm. Is less than their Sal

mysql> SELECT * FROM emp WHERE COMM<SAL;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30

3 rows in set (0.00 sec)

9.List the emps who are either 'CLERK' or 'ANALYST' in the Desc order.

mysql> SELECT * FROM emp WHERE JOB='CLERK' OR JOB='ANALYST' ORDER BY JOB DESC;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20

```
+-----+-----+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

10. List the emp who are working for the Deptno 10 or 20.

```
mysql> SELECT * FROM EMP WHERE DEPTNO=10 OR DEPTNO=20;
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+
| EMPNO | ENAME  | JOB      | MGR | HIREDATE   | SAL   | COMM | DEPTNO |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 7369 | SMITH  | CLERK    | 7902 | 1980-12-17 | 800.00 | NULL | 20 |
| 7566 | JONES  | MANAGER  | 7839 | 1981-04-02 | 2975.00 | NULL | 20 |
| 7782 | CLARK  | MANAGER  | 7839 | 1981-06-09 | 2450.00 | NULL | 10 |
| 7788 | SCOTT  | ANALYST  | 7566 | 1982-12-09 | 3000.00 | NULL | 20 |
| 7839 | KING   | PRESIDENT | NULL | 1981-11-17 | 5000.00 | NULL | 10 |
| 7876 | ADAMS  | CLERK    | 7788 | 1983-01-12 | 1100.00 | NULL | 20 |
| 7902 | FORD   | ANALYST  | 7566 | 1981-12-03 | 3000.00 | NULL | 20 |
| 7934 | MILLER | CLERK    | 7782 | 1982-01-23 | 1300.00 | NULL | 10 |
+-----+-----+-----+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)
```

11. List the emps Who Annual sal ranging from 22000 and 45000.

```
mysql> SELECT * FROM emp WHERE SAL BETWEEN 22000 AND 45000;
Empty set (0.00 sec)
```

12. List the Enames those are having five characters in their Names.

```
mysql> SELECT * FROM EMP WHERE LENGTH(ENAME)=5;
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+
| EMPNO | ENAME  | JOB      | MGR | HIREDATE   | SAL   | COMM | DEPTNO |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 7369 | SMITH  | CLERK    | 7902 | 1980-12-17 | 800.00 | NULL | 20 |
| 7499 | ALLEN  | SALESMAN | 7698 | 1981-02-20 | 1600.00 | 300.00 | 30 |
| 7566 | JONES  | MANAGER  | 7839 | 1981-04-02 | 2975.00 | NULL | 20 |
| 7698 | BLAKE  | MANAGER  | 7839 | 1981-05-01 | 2850.00 | NULL | 30 |
| 7782 | CLARK  | MANAGER  | 7839 | 1981-06-09 | 2450.00 | NULL | 10 |
| 7788 | SCOTT  | ANALYST  | 7566 | 1982-12-09 | 3000.00 | NULL | 20 |
| 7876 | ADAMS  | CLERK    | 7788 | 1983-01-12 | 1100.00 | NULL | 20 |
| 7900 | JAMES  | CLERK    | 7698 | 1981-12-03 | 950.00 | NULL | 30 |
+-----+-----+-----+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)
```

13. List the Enames those are starting with 'S' and with five characters.

```
mysql> select ename from emp where ename like 's%' and length (ename) = 5;
```

```
+-----+
| ename |
+-----+
| SMITH |
| SCOTT |
+-----+
```

2 rows in set (0.00 sec)

14. List the emps those are having four chars and third character must be 'r'.

```
mysql> SELECT * FROM emp WHERE LENGTH(ENAME)=4 AND ENAME like '__r%';
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+
| EMPNO | ENAME | JOB   | MGR | HIREDATE | SAL   | COMM | DEPTNO |
+-----+-----+-----+-----+-----+-----+-----+
| 7521 | WARD  | SALESMAN | 7698 | 1981-02-22 | 1250.00 | 500.00 | 30 |
| 7902 | FORD  | ANALYST | 7566 | 1981-12-03 | 3000.00 | NULL | 20 |
+-----+-----+-----+-----+-----+-----+-----+

```

2 rows in set (0.00 sec)

15. List the Five character names starting with 'S' and ending with 'H'.

```
mysql> SELECT * FROM emp WHERE LENGTH(ENAME)=5 AND ENAME like 's%h';
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+
| EMPNO | ENAME | JOB   | MGR | HIREDATE | SAL   | COMM | DEPTNO |
+-----+-----+-----+-----+-----+-----+-----+
| 7369 | SMITH | CLERK | 7902 | 1980-12-17 | 800.00 | NULL | 20 |
+-----+-----+-----+-----+-----+-----+-----+

```

1 row in set (0.00 sec)

16. List the emps whose names having a character set 'll' together.

```
mysql> SELECT * FROM emp WHERE ENAME like '%ll%';
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+
| EMPNO | ENAME | JOB   | MGR | HIREDATE | SAL   | COMM | DEPTNO |
+-----+-----+-----+-----+-----+-----+-----+
| 7499 | ALLEN | SALESMAN | 7698 | 1981-02-20 | 1600.00 | 300.00 | 30 |
| 7934 | MILLER | CLERK | 7782 | 1982-01-23 | 1300.00 | NULL | 10 |
+-----+-----+-----+-----+-----+-----+-----+

```

2 rows in set (0.00 sec)

17. List the emps who does not belong to Deptno 20.

```
mysql> SELECT * FROM emp WHERE DEPTNO!=20;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7839	KING	PRESIDENT	NULL	1981-11-17	5000.00	NULL	10
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

9 rows in set (0.00 sec)

18. List all the emps except 'PRESIDENT' & 'MGR' in asc order of Salaries.

```
mysql> SELECT * FROM emp WHERE JOB NOT IN ('PRESIDENT','MANAGER') ORDER BY SAL ASC;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20

10 rows in set (0.00 sec)

19. List the emps whose Empno not starting with digit 78.

```
mysql> SELECT * FROM emp WHERE empno NOT like '78%';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
-------	-------	-----	-----	----------	-----	------	--------

```

+-----+-----+-----+-----+-----+-----+-----+
| 7369 | SMITH | CLERK | 7902 | 1980-12-17 | 800.00 | NULL | 20 |
| 7499 | ALLEN | SALESMAN | 7698 | 1981-02-20 | 1600.00 | 300.00 | 30 |
| 7521 | WARD | SALESMAN | 7698 | 1981-02-22 | 1250.00 | 500.00 | 30 |
| 7566 | JONES | MANAGER | 7839 | 1981-04-02 | 2975.00 | NULL | 20 |
| 7654 | MARTIN | SALESMAN | 7698 | 1981-09-28 | 1250.00 | 1400.00 | 30 |
| 7698 | BLAKE | MANAGER | 7839 | 1981-05-01 | 2850.00 | NULL | 30 |
| 7782 | CLARK | MANAGER | 7839 | 1981-06-09 | 2450.00 | NULL | 10 |
| 7788 | SCOTT | ANALYST | 7566 | 1982-12-09 | 3000.00 | NULL | 20 |
| 7900 | JAMES | CLERK | 7698 | 1981-12-03 | 950.00 | NULL | 30 |
| 7902 | FORD | ANALYST | 7566 | 1981-12-03 | 3000.00 | NULL | 20 |
| 7934 | MILLER | CLERK | 7782 | 1982-01-23 | 1300.00 | NULL | 10 |
+-----+-----+-----+-----+-----+-----+-----+
11 rows in set (0.00 sec)

```

20. List all the Clerks of Deptno 20.

```
mysql> select * from emp where job ='CLERK' and deptno = 20;
```

```

+-----+-----+-----+-----+-----+-----+-----+
| EMPNO | ENAME | JOB | MGR | HIREDATE | SAL | COMM | DEPTNO |
+-----+-----+-----+-----+-----+-----+-----+
| 7369 | SMITH | CLERK | 7902 | 1980-12-17 | 800.00 | NULL | 20 |
| 7876 | ADAMS | CLERK | 7788 | 1983-01-12 | 1100.00 | NULL | 20 |
+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

```

21. Display the details of SMITH.

```
mysql> select * from emp where ename='SMITH';
```

```

+-----+-----+-----+-----+-----+-----+-----+
| EMPNO | ENAME | JOB | MGR | HIREDATE | SAL | COMM | DEPTNO |
+-----+-----+-----+-----+-----+-----+-----+
| 7369 | SMITH | CLERK | 7902 | 1980-12-17 | 800.00 | NULL | 20 |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

```

22. Display the location of SMITH.

```
mysql> SELECT LOC FROM emp e, dept d where e.ename='SMITH' AND e.deptno=d.deptno;
```

```

+-----+
| LOC |
+-----+
| DALLAS |
+-----+

```

1 row in set (0.00 sec)