

DATABASE ASSIGNMENT 4

Practice DQL statement

Write SQL statement for the following

1. To find all managers with salary >1500

```
mysql> select * from emp where job='manager' and sal>1500;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
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

3 rows in set (0.00 sec)

2. list all employees with sal >1200 and < 2000

```
mysql> select * from emp where sal between 1200 and 2000;
```

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
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

5 rows in set (0.00 sec)

3. list all employees with sal is 1600 or sal is 800 or sal is 1900

```
mysql> select * from emp where sal in (1600,800,1900);
```

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

2 rows in set (0.00 sec)

4. list all employees with R at second last position in name

```
mysql> select * from emp where ename regexp 'r.$';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7782	CLARK	MANAGER	7839	1981-06-09	2450.00	NULL	10
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20

5. List all employees with name starts with A and ends with N

```
mysql> select * from emp where ename regexp '^a.*n$';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30

1 row in set (0.00 sec)

Q2. Solve following

1. list all employees with salary > 1250 and dept no=30

```
mysql> select * from emp where sal >1250 and deptno=30;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30
7698	BLAKE	MANAGER	7839	1981-05-01	2850.00	NULL	30
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30

3 rows in set (0.00 sec)

```
mysql>
```

2. list all employees with salary >=1250 and <= 3000

```
mysql> select * from emp where sal between 1250 and 3000;
```

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
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
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

```
10 rows in set (0.00 sec)
```

3. list all employees with salary >1250 and < 3000

```
mysql> select * from emp where sal>1250 and sal <3000;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
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
7844	TURNER	SALESMAN	7698	1981-09-08	1500.00	0.00	30
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

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

4. list all employees with salary either equal to 3000 or 1250 or 2500

```
mysql> select * from emp where sal in (3000,1250,2500);
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7521	WARD	SALESMAN	7698	1981-02-22	1250.00	500.00	30
7654	MARTIN	SALESMAN	7698	1981-09-28	1250.00	1400.00	30
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7902	FORD	ANALYST	7566	1981-12-03	3000.00	NULL	20

```
4 rows in set (0.00 sec)
```

5. list all employee with name=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)
```

6. list all employees with name starting with S

```
mysql> select * from emp where ename regexp '^s';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	1980-12-17	800.00	NULL	20
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20

```
2 rows in set (0.00 sec)
```

7. list all employees with name ending with S

```
mysql> select * from emp where ename regexp 's$';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
11	ADAM_S	MANAGER	7566	1987-02-12	850.00	600.00	40
7566	JONES	MANAGER	7839	1981-04-02	2975.00	NULL	20
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20
7900	JAMES	CLERK	7698	1981-12-03	950.00	NULL	30

```
4 rows in set (0.00 sec)
```

8. list all employees with name contains l at 2nd position

```
mysql> select * from emp where ename regexp '^..l';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7839	KING	PRESIDENT	NULL	1981-11-17	5000.00	NULL	10
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

```
2 rows in set (0.00 sec)
```

9. list all employees with name starts with A ends with N and somewhere in between L is there

```
mysql> select * from emp where ename regexp '^A.*L.*N$';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7499	ALLEN	SALESMAN	7698	1981-02-20	1600.00	300.00	30

Empty set (0.00 sec)

10. list all employees with name starts with A and B at 3 rd position and P at second last position

```
mysql> select * from emp where ename regexp '^M.L.*E.$';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7934	MILLER	CLERK	7782	1982-01-23	1300.00	NULL	10

1 row in set (0.00 sec)

```
mysql> select * from emp where ename regexp '^A.B.*P.$';
```

Empty set (0.00 sec)

11. List all employees with name starts with either A or starts with S or starts with W

```
mysql> select * from emp where ename regexp '^[asw]';
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
11	ADAM_S	MANAGER	7566	1987-02-12	850.00	600.00	40
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
7788	SCOTT	ANALYST	7566	1982-12-09	3000.00	NULL	20
7876	ADAMS	CLERK	7788	1983-01-12	1100.00	NULL	20

6 rows in set (0.01 sec)