EXPERIMENT-04

Table for Q. 1 to 5

```
mysql> select * from employee1;
+-----+---------------+------------+--------+
| eid | ename         | department | salary |
+-----+---------------+------------+--------+
|   1 | Harsh         | HR         |  55000 |
|   2 | Yuvraj        | finance    |  50000 |
|   3 | Mantu         | HR         |  40000 |
|   4 | Aditya        | IT         |  60000 |
|   5 | Bishwa Bandhu | HR         |  45000 |
|   6 | Shishu        | IT         |  70000 |
|   7 | Rajesh        | HR         |  35000 |
|   8 | Rahul         | HR         |  50000 |
|   9 | Dipa          | sales      |  20000 |
|  10 | Ritika        | HR         |  58000 |
+-----+---------------+------------+--------+
10 rows in set (0.00 sec)
```

Q1.)mysql> select * from employee1 where department='HR' AND salary>50000;

```
+-----+--------+------------+--------+
| eid | ename  | department | salary |
+-----+--------+------------+--------+
|   1 | Harsh  | HR         |  55000 |
|  10 | Ritika | HR         |  58000 |
+-----+--------+------------+--------+
2 rows in set (0.01 sec)
```

Q2.) mysql> select * from employee1 where department='HR' OR salary>50000;

```
+-----+---------------+------------+--------+
| eid | ename         | department | salary |
+-----+---------------+------------+--------+
|   1 | Harsh         | HR         |  55000 |
|   3 | Mantu         | HR         |  40000 |
|   4 | Aditya        | IT         |  60000 |
|   5 | Bishwa Bandhu | HR         |  45000 |
|   6 | Shishu        | IT         |  70000 |
|   7 | Rajesh        | HR         |  35000 |
|   8 | Rahul         | HR         |  50000 |
|  10 | Ritika        | HR         |  58000 |
+-----+---------------+------------+--------+
8 rows in set (0.00 sec)
```

Q3.)mysql> select * from employee1 where not department='HR';

eid	ename	department	salary
2	Yuvraj	finance	50000
4	Aditya	IT	60000
6	Shishu	IT	70000
9	Dipa	sales	20000

4 rows in set (0.00 sec)

Q4.)mysql> select * from employee1 where (department='HR' or department='finance') and salary<=60000;

eid	ename	department	salary
1	Harsh	HR	55000
2	Yuvraj	finance	50000
3	Mantu	HR	40000
5	Bishwa Bandhu	HR	45000
7	Rajesh	HR	35000
8	Rahul	HR	50000
10	Ritika	HR	58000

7 rows in set (0.01 sec)

Q5.) mysql> select department,count(*) as total_emp,avg(salary) as average_salary from employee1 group by department having total_emp>5 AND average_salary<60000;

department	total_emp	average_salary
HR	6	47166.6667

1 row in set (0.03 sec)

Table for Q. 6 to 9

emp_us

eid	ename
1	Harsh
2	Yuvraj
3	Mantu
4	Aditya

4 rows in set (0.00 sec)

emp_uk

```
mysql> select * from emp_uk;
```

eid	ename
1	Rohit
3	Mantu
6	Adeeb
8	Shubham

4 rows in set (0.00 sec)

Q6.)mysql> select eid from emp_us union select eid from emp_uk;

```
+-----+
| eid |
+-----+
|   1 |
|   2 |
|   3 |
|   4 |
|   6 |
|   8 |
+-----+
6 rows in set (0.00 sec)
```

Q7.)mysql> select eid from emp_us union all select eid from emp_uk;

```
+-----+
| eid |
+-----+
|   1 |
|   2 |
|   3 |
|   4 |
|   1 |
|   3 |
|   6 |
|   8 |
+-----+
8 rows in set (0.00 sec)
```

Q8.) mysql> select eid from emp_us intersect select eid from emp_uk;

```
+-----+
| eid |
+-----+
|   1 |
|   3 |
+-----+
2 rows in set (0.00 sec)
```

Q9.)mysql> select eid from emp_us except select eid from emp_uk;

```
+-----+
| eid |
+-----+
|   2 |
|   4 |
+-----+
2 rows in set (0.00 sec)
```