

Table for Q1 to Q5: SELECT * FROM employee1

```
mysql> SELECT * FROM employee1;
+-----+-----+-----+-----+
| e_id | e_name  | dept  | salary |
+-----+-----+-----+-----+
| 1    | Yuvraj  | IT    | 75000  |
| 2    | Harsh   | Finance | 55000  |
| 3    | Bishwa  | HR     | 60000  |
| 4    | Rahul   | HR     | 50000  |
| 5    | Mantu   | Finance | 45000  |
| 6    | Aditya  | Finance | 40000  |
| 7    | Adeeb   | Finance | 57000  |
| 8    | Priyanshu | HR     | 60000  |
| 9    | Alok    | Finance | 30000  |
| 10   | Anish   | Finance | 49000  |
| 11   | Amarjeet | IT     | 70000  |
+-----+-----+-----+-----+
11 rows in set (0.00 sec)
```

Q1: SELECT * FROM employee1 WHERE dept = 'HR' AND salary > 50000;

```
+-----+-----+-----+-----+
| e_id | e_name  | dept | salary |
+-----+-----+-----+-----+
| 3    | Bishwa  | HR   | 60000  |
| 8    | Priyanshu | HR   | 60000  |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

Q2: SELECT * FROM employee1 WHERE dept = 'HR' OR salary > 50000;

```
+-----+-----+-----+-----+
| e_id | e_name  | dept  | salary |
+-----+-----+-----+-----+
| 1    | Yuvraj  | IT    | 75000  |
| 2    | Harsh   | Finance | 55000  |
| 3    | Bishwa  | HR     | 60000  |
| 4    | Rahul   | HR     | 50000  |
| 7    | Adeeb   | Finance | 57000  |
| 8    | Priyanshu | HR     | 60000  |
| 11   | Amarjeet | IT     | 70000  |
+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

Q3: SELECT * FROM employee1 WHERE dept != 'HR';

e_id	e_name	dept	salary
1	Yuvraj	IT	75000
2	Harsh	Finance	55000
5	Mantu	Finance	45000
6	Aditya	Finance	40000
7	Adeeb	Finance	57000
9	Alok	Finance	30000
10	Anish	Finance	49000
11	Amarjeet	IT	70000

8 rows in set (0.00 sec)

Q4: SELECT * FROM employee1 WHERE (dept = 'HR' OR dept = 'Finance') AND salary < 60000;

e_id	e_name	dept	salary
2	Harsh	Finance	55000
4	Rahul	HR	50000
5	Mantu	Finance	45000
6	Aditya	Finance	40000
7	Adeeb	Finance	57000
9	Alok	Finance	30000
10	Anish	Finance	49000

7 rows in set (0.00 sec)

Q5: SELECT dept, COUNT(*) AS num_employee, AVG(salary) AS avg_salary FROM employee1 GROUP BY dept HAVING num_employee > 5 AND avg_salary < 60000;

dept	num_employee	avg_salary
Finance	6	46000.0000

1 row in set (0.02 sec)

TABLE FOR Q6 to Q9:

```
mysql> SELECT * FROM employee_us;
```

e_id	e_name
1	Yuvraj
2	Harsh
3	Bishwa

3 rows in set (0.00 sec)

```
mysql> SELECT * FROM employee_uk;
```

e_id	e_name
2	Mantu
3	Rahul
4	Aditya

3 rows in set (0.00 sec)

Q6: SELECT e_id FROM employee_us UNION SELECT e_id FROM employee_uk;

```
+-----+
| e_id |
+-----+
|    1 |
|    2 |
|    3 |
|    4 |
+-----+
4 rows in set (0.00 sec)
```

Q7: SELECT e_id FROM employee_us UNION ALL SELECT e_id FROM employee_uk;

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

Q8: SELECT e_id FROM employee_us INTERSECT SELECT e_id FROM employee_uk;

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

Q9: SELECT e_id FROM employee_us EXCEPT SELECT e_id FROM employee_uk;

```
+-----+
| e_id |
+-----+
|    1 |
+-----+
1 row in set (0.00 sec)
```