Code Execution -Day3
29/09/2023-Friday

mysql> show databases;
```
+--------------------+
| Database           |
+--------------------+
| assignment         |
| information_schema |
| jeban              |
| mydb               |
| mysql              |
| performance_schema |
| practice           |
| sakila             |
| sys                |
| world              |
+--------------------+
10 rows in set (0.00 sec)
```

mysql> use mydb;
Database changed

mysql> show tables;
```
+----------------+
| Tables_in_mydb |
+----------------+
| countries      |
| dup_countries  |
| job_history    |
| jobs           |
| students       |
```

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

mysql> create table tbl_employee(eid int(5),ename varchar(20),esalary int(5));
Query OK, 0 rows affected, 2 warnings (0.02 sec)

mysql> desc tbl_employee;
```
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| eid     | int         | YES  |     | NULL    |       |
| ename   | varchar(20) | YES  |     | NULL    |       |
| esalary | int         | YES  |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
```
3 rows in set (0.00 sec)

mysql> insert into tbl_employee values(101,'Jeban',2000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into tbl_employee values(102,'Ignesh',3000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into tbl_employee values(103,'Sara',3000);
Query OK, 1 row affected (0.00 sec)

mysql> select * from tbl_employee;
```
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
|  101 | Jeban  |    2000 |
|  102 | Ignesh |    3000 |
```

```
| 103 | Sara   |    3000 |
+------+--------+---------+
3 rows in set (0.00 sec)
```

mysql> insert into tbl_employee values(104,null,5000);
Query OK, 1 row affected (0.00 sec)

mysql> select * from tbl_employee;
```
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
| 101 | Jeban  |    2000 |
| 102 | Ignesh |    3000 |
| 103 | Sara   |    3000 |
| 104 | NULL   |    5000 |
+------+--------+---------+
4 rows in set (0.00 sec)
```

mysql> insert into tbl_employee (eid,ename) values(105,'Shaji');
Query OK, 1 row affected (0.01 sec)

mysql> select * from tbl_employee;
```
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
| 101 | Jeban  |    2000 |
| 102 | Ignesh |    3000 |
| 103 | Sara   |    3000 |
| 104 | NULL   |    5000 |
| 105 | Shaji  |    NULL |
+------+--------+---------+
5 rows in set (0.00 sec)
```

mysql> select eid,esalary from tbl_emloyee;
ERROR 1146 (42S02): Table 'mydb.tbl_emloyee' doesn't exist

mysql> select eid,esalary from tbl_employee;

```
+------+---------+
| eid  | esalary |
+------+---------+
| 101  |    2000 |
| 102  |    3000 |
| 103  |    3000 |
| 104  |    5000 |
| 105  |    NULL |
+------+---------+
```
5 rows in set (0.00 sec)

mysql> select * from tbl_employee where esalary>2000;

```
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
| 102  | Ignesh |    3000 |
| 103  | Sara   |    3000 |
| 104  | NULL   |    5000 |
+------+--------+---------+
```
3 rows in set (0.00 sec)

mysql> select * from tbl_employee where esalary>=2000;

```
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
| 101  | Jeban  |    2000 |
| 102  | Ignesh |    3000 |
```

```
| 103 | Sara   |    3000 |
| 104 | NULL   |    5000 |
+------+-------+---------+
4 rows in set (0.00 sec)
```

mysql> select * from tbl_employee where ename = 'Ignesh';
```
+------+-------+---------+
| eid  | ename  | esalary |
+------+-------+---------+
| 102 | Ignesh |    3000 |
+------+-------+---------+
1 row in set (0.00 sec)
```

mysql> select *from tbl_employee where ename != 'Ignesh';
```
+------+-------+---------+
| eid  | ename | esalary |
+------+-------+---------+
| 101 | Jeban |    2000 |
| 103 | Sara  |    3000 |
| 105 | Shaji |    NULL |
+------+-------+---------+
3 rows in set (0.00 sec)
```

mysql> select * from tbl_employee where ename = null;
Empty set (0.00 sec)

mysql> select * from tbl_employee where ename is null;
```
+------+-------+---------+
| eid  | ename | esalary |
+------+-------+---------+
| 104 | NULL  |    5000 |
+------+-------+---------+
```

1 row in set (0.00 sec)

mysql> select * from tbl_employee where ename is not null and esalary = 3000;

```
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
|  102 | Ignesh |    3000 |
|  103 | Sara   |    3000 |
+------+--------+---------+
```
2 rows in set (0.00 sec)

mysql> select * from tbl_employee where ename or esalary is not null;

```
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
|  101 | Jeban  |    2000 |
|  102 | Ignesh |    3000 |
|  103 | Sara   |    3000 |
|  104 | NULL   |    5000 |
+------+--------+---------+
```
4 rows in set, 4 warnings (0.00 sec)

mysql> select *from tbl_employee;

```
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
|  101 | Jeban  |    2000 |
|  102 | Ignesh |    3000 |
|  103 | Sara   |    3000 |
|  104 | NULL   |    5000 |
```

```
| 105 | Shaji |   NULL |
+------+-------+---------+
5 rows in set (0.00 sec)
```

mysql> select * from tbl_employee where eid in(101,102,110);

```
+------+-------+---------+
| eid  | ename | esalary |
+------+-------+---------+
| 101 | Jeban  |   2000 |
| 102 | Ignesh |   3000 |
+------+-------+---------+
2 rows in set (0.00 sec)
```

mysql> select * from tbl_employee where eid not in (101,103,105);

```
+------+-------+---------+
| eid  | ename | esalary |
+------+-------+---------+
| 102 | Ignesh |   3000 |
| 104 | NULL   |   5000 |
+------+-------+---------+
2 rows in set (0.00 sec)
```

mysql> select * from tbl_employee where esalary between 2000 and 4000;

```
+------+-------+---------+
| eid  | ename | esalary |
+------+-------+---------+
| 101 | Jeban  |   2000 |
| 102 | Ignesh |   3000 |
| 103 | Sara   |   3000 |
+------+-------+---------+
```

3 rows in set (0.00 sec)

mysql> select * from tbl_employee where esalary not between 2000 and 4000;
```
+------+-------+---------+
| eid  | ename | esalary |
+------+-------+---------+
|  104 | NULL  |    5000 |
+------+-------+---------+
```
1 row in set (0.00 sec)

mysql> select * from tbl_employee where esalary between 4000 and 2000;
Empty set (0.00 sec)

mysql> select * from tbl_employee where ename like 'J*';
Empty set (0.00 sec)

mysql> select * from tbl_employee where ename like 'J%';
```
+------+-------+---------+
| eid  | ename | esalary |
+------+-------+---------+
|  101 | Jeban |    2000 |
+------+-------+---------+
```
1 row in set (0.00 sec)

mysql> select * from tbl_employee where ename like '_a%';
```
+------+-------+---------+
| eid  | ename | esalary |
+------+-------+---------+
|  103 | Sara  |    3000 |
+------+-------+---------+
```

1 row in set (0.00 sec)

mysql> select * from tbl_employee where ename not like 'J%';
+------+--------+---------+
| eid | ename | esalary |
+------+--------+---------+
102	Ignesh	3000
103	Sara	3000
105	Shaji	NULL
+------+--------+---------+
3 rows in set (0.00 sec)

mysql> select * from tbl_employee where ename not like '_h%';
+------+--------+---------+
| eid | ename | esalary |
+------+--------+---------+
101	Jeban	2000
102	Ignesh	3000
103	Sara	3000
+------+--------+---------+
3 rows in set (0.00 sec)

mysql> select * from tbl_employee where ename not like 'NULL';
+------+--------+---------+
| eid | ename | esalary |
+------+--------+---------+
101	Jeban	2000
102	Ignesh	3000
103	Sara	3000
105	Shaji	NULL
+------+--------+---------+
4 rows in set (0.00 sec)

```
mysql> desc tbl_employee;
+---------+------------+------+-----+---------+-------+
| Field   | Type       | Null | Key | Default | Extra |
+---------+------------+------+-----+---------+-------+
| eid     | int        | YES  |     | NULL    |       |
| ename   | varchar(20)| YES  |     | NULL    |       |
| esalary | int        | YES  |     | NULL    |       |
+---------+------------+------+-----+---------+-------+
3 rows in set (0.00 sec)

mysql> select * from tbl_employee;
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
|  101 | Jeban  |    2000 |
|  102 | Ignesh |    3000 |
|  103 | Sara   |    3000 |
|  104 | NULL   |    5000 |
|  105 | Shaji  |    NULL |
+------+--------+---------+
5 rows in set (0.00 sec)

mysql> commit;
Query OK, 0 rows affected (0.00 sec)

mysql> update tbl_employee set esalary = 0;
Query OK, 5 rows affected (0.00 sec)
Rows matched: 5  Changed: 5  Warnings: 0

mysql> select * from tbl_employee;
+------+--------+---------+
```

```
| eid  | ename  | esalary |
+------+--------+---------+
| 101 | Jeban  |      0 |
| 102 | Ignesh |      0 |
| 103 | Sara   |      0 |
| 104 | NULL   |      0 |
| 105 | Shaji  |      0 |
+------+--------+---------+
5 rows in set (0.00 sec)
```

mysql> rollback;
Query OK, 0 rows affected (0.00 sec)

mysql> select * from tbl_employee;
```
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
| 101 | Jeban  |      0 |
| 102 | Ignesh |      0 |
| 103 | Sara   |      0 |
| 104 | NULL   |      0 |
| 105 | Shaji  |      0 |
+------+--------+---------+
5 rows in set (0.00 sec)
```

mysql> select @@autocommit from dual;
```
+--------------+
| @@autocommit |
+--------------+
|            1 |
+--------------+
1 row in set (0.00 sec)
```

```
mysql> set autocommit=0;
Query OK, 0 rows affected (0.00 sec)

mysql> select @@autocommit from dual;
+--------------+
| @@autocommit |
+--------------+
|            0 |
+--------------+
1 row in set (0.00 sec)

mysql> select @@autocommit;
+--------------+
| @@autocommit |
+--------------+
|            0 |
+--------------+
1 row in set (0.00 sec)

mysql> select * from tbl_employee;
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
|  101 | Jeban  |       0 |
|  102 | Ignesh |       0 |
|  103 | Sara   |       0 |
|  104 | NULL   |       0 |
|  105 | Shaji  |       0 |
+------+--------+---------+
5 rows in set (0.00 sec)
```

mysql> update tbl_employee set esalary = 1000 where eid=101;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from tbl_employee;

eid	ename	esalary
101	Jeban	1000
102	Ignesh	0
103	Sara	0
104	NULL	0
105	Shaji	0

5 rows in set (0.00 sec)

mysql> rollback;
Query OK, 0 rows affected (0.00 sec)

mysql> select * from tbl_employee;

eid	ename	esalary
101	Jeban	0
102	Ignesh	0
103	Sara	0
104	NULL	0
105	Shaji	0

5 rows in set (0.00 sec)

```
mysql> update tbl_employee set esalary = 2000;
Query OK, 5 rows affected (0.00 sec)
Rows matched: 5  Changed: 5  Warnings: 0

mysql> select * from tbl_employee;
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
|  101 | Jeban  |    2000 |
|  102 | Ignesh |    2000 |
|  103 | Sara   |    2000 |
|  104 | NULL   |    2000 |
|  105 | Shaji  |    2000 |
+------+--------+---------+
5 rows in set (0.00 sec)

mysql> commit;
Query OK, 0 rows affected (0.00 sec)

mysql> rollback;
Query OK, 0 rows affected (0.00 sec)

mysql> select * from tbl_employee;
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
|  101 | Jeban  |    2000 |
|  102 | Ignesh |    2000 |
|  103 | Sara   |    2000 |
|  104 | NULL   |    2000 |
|  105 | Shaji  |    2000 |
```

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

mysql> **update tbl_employee set ename = null,esalary = 0 where eid in (101,103,106);**
Query OK, 2 rows affected (0.00 sec)
Rows matched: 2 Changed: 2 Warnings: 0

mysql> **select * from tbl_employee;**
```
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
| 101 | NULL   |      0 |
| 102 | Ignesh |   2000 |
| 103 | NULL   |      0 |
| 104 | NULL   |   2000 |
| 105 | Shaji  |   2000 |
+------+--------+---------+
```
5 rows in set (0.00 sec)

mysql> **update tbl_employee set ename = 'Jeban',esalary = 10000 where eid in (101);**
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> **select * from tbl_employee;**
```
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
| 101 | Jeban  |  10000 |
| 102 | Ignesh |   2000 |
| 103 | NULL   |      0 |
```

```
| 104 | NULL  |   2000 |
| 105 | Shaji |   2000 |
+------+--------+---------+
5 rows in set (0.00 sec)
```

mysql> update tbl_employee set ename = 'Jeban',esalary = 10000 where eid in (101,105);
Query OK, 1 row affected (0.00 sec)
Rows matched: 2 Changed: 1 Warnings: 0

mysql> select * from tbl_employee;
```
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
| 101 | Jeban  |  10000 |
| 102 | Ignesh |   2000 |
| 103 | NULL   |      0 |
| 104 | NULL   |   2000 |
| 105 | Jeban  |  10000 |
+------+--------+---------+
5 rows in set (0.00 sec)
```

mysql> update tbl_employee set ename = null,esalary = 0 where eid in (101,103,106);
Query OK, 1 row affected (0.00 sec)
Rows matched: 2 Changed: 1 Warnings: 0

mysql> select * from tbl_employee;
```
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
| 101 | NULL   |      0 |
```

```
| 102 | Ignesh |   2000 |
| 103 | NULL   |      0 |
| 104 | NULL   |   2000 |
| 105 | Jeban  |  10000 |
+------+--------+---------+
5 rows in set (0.00 sec)
```

mysql> commit;
Query OK, 0 rows affected (0.00 sec)

mysql> rollback;
Query OK, 0 rows affected (0.00 sec)

mysql> select * from tbl_employee;
```
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
| 101 | NULL   |      0 |
| 102 | Ignesh |   2000 |
| 103 | NULL   |      0 |
| 104 | NULL   |   2000 |
| 105 | Jeban  |  10000 |
+------+--------+---------+
5 rows in set (0.00 sec)
```

mysql> update tbl_employee set ename = null,esalary = 0 where eid in (101,103,106);
Query OK, 0 rows affected (0.00 sec)
Rows matched: 2 Changed: 0 Warnings: 0

mysql> select * from tbl_employee;
```
+------+--------+---------+
```

```
| eid  | ename  | esalary |
+------+--------+---------+
| 101 | NULL   |      0 |
| 102 | Ignesh |   2000 |
| 103 | NULL   |      0 |
| 104 | NULL   |   2000 |
| 105 | Jeban  |  10000 |
+------+--------+---------+
5 rows in set (0.00 sec)
```

mysql> delete from tbl_employee;
Query OK, 5 rows affected (0.00 sec)

mysql> select * from tbl_employee;
Empty set (0.00 sec)

mysql> rollback;
Query OK, 0 rows affected (0.00 sec)

mysql> select * from tbl_employee;
```
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
| 101 | NULL   |      0 |
| 102 | Ignesh |   2000 |
| 103 | NULL   |      0 |
| 104 | NULL   |   2000 |
| 105 | Jeban  |  10000 |
+------+--------+---------+
5 rows in set (0.00 sec)
```

mysql> delete from tbl_employee where eid=101;

Query OK, 1 row affected (0.00 sec)

```
mysql> select * from tbl_employee;
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
| 102  | Ignesh |    2000 |
| 103  | NULL   |       0 |
| 104  | NULL   |    2000 |
| 105  | Jeban  |   10000 |
+------+--------+---------+
4 rows in set (0.00 sec)


mysql> select * from tbl_employee order by ename asc;
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
| 103  | NULL   |       0 |
| 104  | NULL   |    2000 |
| 102  | Ignesh |    2000 |
| 105  | Jeban  |   10000 |
+------+--------+---------+
4 rows in set (0.00 sec)

mysql> select  * from tbl_employee order by eid desc;
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
| 105  | Jeban  |   10000 |
| 104  | NULL   |    2000 |
| 103  | NULL   |       0 |
```

```
|  102 | Ignesh |    2000 |
+------+--------+---------+
4 rows in set (0.00 sec)
```

mysql> select * from tbl_employee order by eid asc;
```
+------+--------+---------+
| eid  | ename  | esalary |
+------+--------+---------+
|  102 | Ignesh |    2000 |
|  103 | NULL   |       0 |
|  104 | NULL   |    2000 |
|  105 | Jeban  |   10000 |
+------+--------+---------+
4 rows in set (0.00 sec)
```