Name : Gayathri Devi Kuppusamy
ID : 11954
Day 2 : 29.09.2023

Enter password: ****
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.0.33 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;

```
+--------------------------+
| Database                 |
+--------------------------+
| assignments              |
| day1_mysqldatabase       |
| day4assignment           |
| gayathrikuppusamy        |
| information_schema       |
| mysql                    |
| mysql_day1               |
| performance_schema       |
| railywayreservationsystem |
| sakila                   |
| sys                      |
| trialdbdesign            |
| vehicle_management_system |
| world                    |
+--------------------------+
```
14 rows in set (0.01 sec)

mysql> use mysql_day1;
Database changed

mysql> show tables;

```
+---------------------+
| Tables_in_mysql_day1 |
```

```
+----------------------+
| tbl_employee         |
+----------------------+
1 row 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> insert into tbl_employee(101,"Gayathri",10000);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '101,"Gayathri",10000)' at line 1

mysql> insert into tbl_employee values(101,"Gayathri",10000);
Query OK, 1 row affected (0.01 sec)

mysql> insert into tbl_employee values(102,"Devi",20000);
Query OK, 1 row affected (0.01 sec)

mysql> select * from tbl_employee;

```
+------+----------+---------+
| eid  | ename    | esalary |
+------+----------+---------+
| 101  | Gayathri | 10000   |
| 102  | Devi     | 20000   |
+------+----------+---------+
2 rows in set (0.00 sec)
```

mysql> insert into tbl_employee values(103,null,5000);
Query OK, 1 row affected (0.00 sec)

mysql> select * from tbl_employee;

```
+------+----------+---------+
| eid  | ename    | esalary |
+------+----------+---------+
| 101  | Gayathri | 10000   |
| 102  | Devi     | 20000   |
| 103  | NULL     | 5000    |
```

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

mysql> insert into tbl_employee(eid,ename) values(104,"Devi");
Query OK, 1 row affected (0.00 sec)

mysql> select * from tbl_employee;
```
+------+----------+---------+
| eid  | ename    | esalary |
+------+----------+---------+
| 101  | Gayathri |   10000 |
| 102  | Devi     |   20000 |
| 103  | NULL     |    5000 |
| 104  | Devi     |    NULL |
+------+----------+---------+
4 rows in set (0.00 sec)
```

mysql> select eid,ename from tbl_employee;
```
+------+----------+
| eid  | ename    |
+------+----------+
| 101  | Gayathri |
| 102  | Devi     |
| 103  | NULL     |
| 104  | Devi     |
+------+----------+
4 rows in set (0.00 sec)
```

mysql> select * from tbl_employee where esalary>2000;
```
+------+----------+---------+
| eid  | ename    | esalary |
+------+----------+---------+
| 101  | Gayathri |   10000 |
| 102  | Devi     |   20000 |
| 103  | NULL     |    5000 |
+------+----------+---------+
3 rows in set (0.00 sec)
```

mysql> select * from tbl_employee where esalary>10000;
```
+------+-------+---------+
| eid  | ename | esalary |
+------+-------+---------+
| 102  | Devi  |   20000 |
+------+-------+---------+
```

1 row in set (0.00 sec)

mysql> select * from tbl_employee where ename="Devi";

```
+------+-------+---------+
| eid  | ename | esalary |
+------+-------+---------+
|  102 | Devi  |   20000 |
|  104 | Devi  |    NULL |
+------+-------+---------+
```
2 rows in set (0.00 sec)

mysql> select * from tbl_employee where ename!="Devi";

```
+------+----------+---------+
| eid  | ename    | esalary |
+------+----------+---------+
|  101 | Gayathri |   10000 |
+------+----------+---------+
```
1 row in set (0.00 sec)

mysql> select * from tbl_employee where ename ="Devi";

```
+------+-------+---------+
| eid  | ename | esalary |
+------+-------+---------+
|  102 | Devi  |   20000 |
|  104 | Devi  |    NULL |
+------+-------+---------+
```
2 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 |
+------+-------+---------+
|  103 | NULL  |    5000 |
+------+-------+---------+
```
1 row in set (0.00 sec)

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

```
+------+----------+---------+
| eid  | ename    | esalary |
+------+----------+---------+
|  101 | Gayathri |   10000 |
```

```
| 102 | Devi   |   20000 |
| 104 | Devi   |    NULL |
+------+----------+---------+
3 rows in set (0.00 sec)
```

mysql> select * from tbl_employee where esalary <=> null;
```
+------+-------+---------+
| eid  | ename | esalary |
+------+-------+---------+
| 104 | Devi  |    NULL |
+------+-------+---------+
1 row in set (0.00 sec)
```

mysql> select * from tbl_employee where esalary is not null AND ename is null;
```
+------+-------+---------+
| eid  | ename | esalary |
+------+-------+---------+
| 103 | NULL  |    5000 |
+------+-------+---------+
1 row in set (0.00 sec)
```

mysql> select * from tbl_employee where esalary is null AND ename is not null;
```
+------+-------+---------+
| eid  | ename | esalary |
+------+-------+---------+
| 104 | Devi  |    NULL |
+------+-------+---------+
1 row in set (0.00 sec)
```

mysql> select * from tbl_employee where eid in(101,103);
```
+------+----------+---------+
| eid  | ename    | esalary |
+------+----------+---------+
| 101 | Gayathri |   10000 |
| 103 | NULL     |    5000 |
+------+----------+---------+
2 rows in set (0.00 sec)
```

mysql> select * from tbl_employee where eid not in(101,103);
```
+------+-------+---------+
| eid  | ename | esalary |
+------+-------+---------+
| 102 | Devi  |   20000 |
| 104 | Devi  |    NULL |
```

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

mysql> select * from tbl_employee where esalary between 10000 and 20000;

```
+------+----------+---------+
| eid  | ename    | esalary |
+------+----------+---------+
| 101  | Gayathri |   10000 |
| 102  | Devi     |   20000 |
+------+----------+---------+
2 rows in set (0.00 sec)
```

mysql> select * from tbl_employee where esalary between 20000 and 30000;

```
+------+-------+---------+
| eid  | ename | esalary |
+------+-------+---------+
| 102  | Devi  |   20000 |
+------+-------+---------+
1 row in set (0.00 sec)
```

mysql> select * from tbl_employee where esalary between 30000 and 40000;
Empty set (0.00 sec)

mysql> select * from tbl_employee where ename like = 'g%';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '= 'g%'' at line 1
mysql> select * from tbl_employee where ename like 'g%';

```
+------+----------+---------+
| eid  | ename    | esalary |
+------+----------+---------+
| 101  | Gayathri |   10000 |
+------+----------+---------+
1 row in set (0.00 sec)
```

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

mysql> select * from tbl_employee where ename like '%i';

```
+------+----------+---------+
| eid  | ename    | esalary |
+------+----------+---------+
| 101  | Gayathri |   10000 |
| 102  | Devi     |   20000 |
| 104  | Devi     |    NULL |
```

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

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

mysql> select * from tbl_employee where ename like '_a%';
```
+------+----------+---------+
| eid  | ename    | esalary |
+------+----------+---------+
| 101  | Gayathri |   10000 |
+------+----------+---------+
```
1 row in set (0.00 sec)

mysql> select * from tbl_employee where ename not like 'g%';
```
+------+-------+---------+
| eid  | ename | esalary |
+------+-------+---------+
| 102  | Devi  |   20000 |
| 104  | Devi  |    NULL |
+------+-------+---------+
```
2 rows in set (0.00 sec)

mysql> select * from tbl_employee where ename not like '%i';
Empty set (0.00 sec)

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

mysql> update tbl_employee set esalary=1000;
Query OK, 4 rows affected (0.01 sec)
Rows matched: 4 Changed: 4 Warnings: 0

mysql> select * from tbl_employee;
```
+------+----------+---------+
| eid  | ename    | esalary |
+------+----------+---------+
| 101  | Gayathri |    1000 |
| 102  | Devi     |    1000 |
| 103  | NULL     |    1000 |
| 104  | Devi     |    1000 |
+------+----------+---------+
```
4 rows in set (0.00 sec)

mysql> update tbl_employee set esalary=2000 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	Gayathri	2000
102	Devi	1000
103	NULL	1000
104	Devi	1000
+------+----------+---------+
4 rows in set (0.00 sec)

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

mysql> select autocommit = 0;
ERROR 1054 (42S22): Unknown column 'autocommit' in 'field list'
mysql> set autocommit = 0;
Query OK, 0 rows affected (0.00 sec)

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

mysql> select * from tbl_employee;
+------+----------+---------+
| eid | ename | esalary |
+------+----------+---------+
101	Gayathri	2000
102	Devi	1000
103	NULL	1000
104	Devi	1000

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

mysql> update tbl_employee set esalary = 2000 where eid = 104;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from tbl_employee;
```
+------+----------+---------+
| eid  | ename    | esalary |
+------+----------+---------+
| 101  | Gayathri |    2000 |
| 102  | Devi     |    1000 |
| 103  | NULL     |    1000 |
| 104  | Devi     |    2000 |
+------+----------+---------+
4 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  | Gayathri |    2000 |
| 102  | Devi     |    1000 |
| 103  | NULL     |    1000 |
| 104  | Devi     |    1000 |
+------+----------+---------+
4 rows in set (0.00 sec)
```

mysql> update tbl_employee set esalary = 2000 where eid = 104;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

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

mysql> select * from tbl_employee;
```
+------+----------+---------+
| eid  | ename    | esalary |
+------+----------+---------+
| 101  | Gayathri |    2000 |
```

```
| 102 | Devi    |    1000 |
| 103 | NULL    |    1000 |
| 104 | Devi    |    2000 |
+------+----------+---------+
4 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 | Gayathri |    2000 |
| 102 | Devi     |    1000 |
| 103 | NULL     |    1000 |
| 104 | Devi     |    2000 |
+------+----------+---------+
4 rows in set (0.00 sec)
```

mysql> update tbl_employee set ename = null where eid in(101,102,104);
Query OK, 3 rows affected (0.00 sec)
Rows matched: 3 Changed: 3 Warnings: 0

mysql> select * from tbl_employee;
```
+------+-------+---------+
| eid  | ename | esalary |
+------+-------+---------+
| 101 | NULL  |    2000 |
| 102 | NULL  |    1000 |
| 103 | NULL  |    1000 |
| 104 | NULL  |    2000 |
+------+-------+---------+
4 rows in set (0.00 sec)
```

mysql> update tbl_employee set ename = "Sample",esalary=0 where eid in(101,102);
Query OK, 2 rows affected (0.00 sec)
Rows matched: 2 Changed: 2 Warnings: 0

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

```
| 102 | Sample |      0 |
| 103 | NULL   |   1000 |
| 104 | NULL   |   2000 |
+------+--------+---------+
4 rows in set (0.00 sec)
```

mysql> delete from tbl_employee;
Query OK, 4 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 | Gayathri |   2000 |
| 102 | Devi     |   1000 |
| 103 | NULL     |   1000 |
| 104 | Devi     |   2000 |
+------+----------+---------+
4 rows in set (0.00 sec)
```

mysql> select * from tbl_employee where eid=104;
```
+------+-------+---------+
| eid  | ename | esalary |
+------+-------+---------+
| 104 | Devi  |   2000 |
+------+-------+---------+
1 row in set (0.00 sec)
```

mysql> delete from tbl_employee where eid=104;
Query OK, 1 row affected (0.00 sec)

mysql> select * from tbl_employee;
```
+------+----------+---------+
| eid  | ename    | esalary |
+------+----------+---------+
| 101 | Gayathri |   2000 |
| 102 | Devi     |   1000 |
| 103 | NULL     |   1000 |
```

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

mysql> select * from tbl_employee order by eid;
```
+------+----------+---------+
| eid  | ename    | esalary |
+------+----------+---------+
| 101  | Gayathri |    2000 |
| 102  | Devi     |    1000 |
| 103  | NULL     |    1000 |
+------+----------+---------+
3 rows in set (0.00 sec)
```

mysql> select * from tbl_employee order by eid desc;
```
+------+----------+---------+
| eid  | ename    | esalary |
+------+----------+---------+
| 103  | NULL     |    1000 |
| 102  | Devi     |    1000 |
| 101  | Gayathri |    2000 |
+------+----------+---------+
3 rows in set (0.00 sec)
```

mysql> select * from tbl_employee order by ename;
```
+------+----------+---------+
| eid  | ename    | esalary |
+------+----------+---------+
| 103  | NULL     |    1000 |
| 102  | Devi     |    1000 |
| 101  | Gayathri |    2000 |
+------+----------+---------+
3 rows in set (0.00 sec)
```

mysql>