Day-2

mysql> show databases;

```
+--------------------+
| Database           |
+--------------------+
| information_schema |
| avangers           |
| banking            |
| earth              |
| kitkat             |
| mars               |
| myjoin             |
| mysql              |
| performance_schema |
| project            |
| shiftpluto         |
| sony               |
+--------------------+
```

12 rows in set (0.04 sec)

mysql> drop database kitkat;

Query OK, 2 rows affected (0.06 sec)

```
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| avangers           |
| banking            |
| earth              |
| mars               |
| myjoin             |
| mysql              |
| performance_schema |
| project            |
| shiftpluto         |
| sony               |
+--------------------+
11 rows in set (0.00 sec)

mysql> create database python;
Query OK, 1 row affected (0.00 sec)

mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
```

```
| avangers           |
| banking            |
| earth              |
| mars               |
| myjoin             |
| mysql              |
| performance_schema |
| project            |
| python             |
| shiftpluto         |
| sony               |
+--------------------+
12 rows in set (0.00 sec)


mysql> use python;
Database changed
mysql> show tables;
Empty set (0.00 sec)


mysql> create table stu(id int(2), name varchar(10), city varchar(10));
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> show tables;

+------------------+
| Tables_in_python |
+------------------+
| stu              |
+------------------+
1 row in set (0.00 sec)


mysql> desc stu;

+-------+-------------+------+-----+---------+-------+
| Field | Type        | Null | Key | Default | Extra |
+-------+-------------+------+-----+---------+-------+
| id    | int(2)      | YES  |     | NULL    |       |
| name  | varchar(10) | YES  |     | NULL    |       |
| city  | varchar(10) | YES  |     | NULL    |       |
+-------+-------------+------+-----+---------+-------+
3 rows in set (0.07 sec)




mysql> insert into stu(id,name,city) values(7,'Micky','Hyd');
Query OK, 1 row affected (0.00 sec)


mysql> insert into stu(id,name,city) values(2,'Aakash','Bang');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into stu(id,name,city) values(4,'Pavan','Kanpur');
Query OK, 1 row affected (0.00 sec)


mysql> insert into stu(id,name,city) values(4,'Harish','Delhi');
Query OK, 1 row affected (0.01 sec)


mysql> insert into stu(id,name,city) values(7,'Kishan','Goa');
Query OK, 1 row affected (0.00 sec)


mysql> select * from stu;
+------+--------+--------+
| id   | name   | city   |
+------+--------+--------+
|    7 | Micky  | Hyd    |
|    2 | Aakash | Bang   |
|    4 | Pavan  | Kanpur |
|    4 | Harish | Delhi  |
|    7 | Kishan | Goa    |
+------+--------+--------+
5 rows in set (0.00 sec)
```

```
mysql> select * from stu where id=7;

+------+--------+------+
| id   | name   | city |
+------+--------+------+
|    7 | Micky  | Hyd  |
|    7 | Kishan | Goa  |
+------+--------+------+
2 rows in set (0.00 sec)


mysql> delete from stu where id=7;
Query OK, 2 rows affected (0.00 sec)


mysql> select * from stu;

+------+--------+--------+
| id   | name   | city   |
+------+--------+--------+
|    2 | Aakash | Bang   |
|    4 | Pavan  | Kanpur |
|    4 | Harish | Delhi  |
+------+--------+--------+
3 rows in set (0.00 sec)


mysql> delete from stu where id=4;
Query OK, 2 rows affected (0.00 sec)
```

```
mysql> select * from stu;

+------+--------+------+
| id   | name   | city |
+------+--------+------+
|    2 | Aakash | Bang |
+------+--------+------+
1 row in set (0.00 sec)


mysql> create table emp(id int(2) AUTO_INCREMENT PRIMARY KEY,name
varchar(10),city varchar(10));
Query OK, 0 rows affected (0.02 sec)


mysql> show tables;

+------------------+
| Tables_in_python |
+------------------+
| emp              |
| stu              |
+------------------+
2 rows in set (0.00 sec)


mysql> desc emp;

+-------+-------------+------+-----+---------+----------------+
| Field | Type        | Null | Key | Default | Extra          |
+-------+-------------+------+-----+---------+----------------+
| id    | int(2)      | NO   | PRI | NULL    | auto_increment |
| name  | varchar(10) | YES  |     | NULL    |                |
```

| city | varchar(10) | YES | | NULL | |

```
+-------+------------+------+-----+---------+---------------+
```

3 rows in set (0.06 sec)

mysql> desc stu;

```
+-------+------------+------+-----+---------+-------+
| Field | Type       | Null | Key | Default | Extra |
+-------+------------+------+-----+---------+-------+
| id    | int(2)     | YES  |     | NULL    |       |
| name  | varchar(10) | YES |     | NULL    |       |
| city  | varchar(10) | YES |     | NULL    |       |
+-------+------------+------+-----+---------+-------+
```

3 rows in set (0.05 sec)

mysql> insert into emp(name,city) values('Micky','Hyd');

Query OK, 1 row affected (0.00 sec)

mysql> insert into emp(name,city) values('Aakash','Del');

Query OK, 1 row affected (0.00 sec)

mysql> insert into emp(name,city) values('Aniruddh','Goa');

Query OK, 1 row affected (0.00 sec)

mysql> insert into emp(name,city) values('Bhrarth','Puna');

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into emp(name,city) values('Harish','Mp');
Query OK, 1 row affected (0.00 sec)


mysql> insert into emp(name,city) values('Kishan','UP');
Query OK, 1 row affected (0.00 sec)


mysql> select * from emp;
+----+----------+------+
| id | name     | city |
+----+----------+------+
|  1 | Micky    | Hyd  |
|  2 | Aakash   | Del  |
|  3 | Aniruddh | Goa  |
|  4 | Bhrarth  | Puna |
|  5 | Harish   | Mp   |
|  6 | Kishan   | UP   |
+----+----------+------+
6 rows in set (0.00 sec)


mysql> insert into emp(name,city) values('Bharath','Hyd');
Query OK, 1 row affected (0.00 sec)


mysql> select * from emp;
+----+----------+------+
| id | name     | city |
+----+----------+------+
```

```
| 1 | Micky    | Hyd  |

| 2 | Aakash   | Del  |

| 3 | Aniruddh | Goa  |

| 4 | Bhrarth  | Puna |

| 5 | Harish   | Mp   |

| 6 | Kishan   | UP   |

| 7 | Bharath  | Hyd  |

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

mysql> desc stu;
```
+-------+-------------+------+-----+---------+-------+

| Field | Type        | Null | Key | Default | Extra |

+-------+-------------+------+-----+---------+-------+

| id    | int(2)      | YES  |     | NULL    |       |

| name  | varchar(10) | YES  |     | NULL    |       |

| city  | varchar(10) | YES  |     | NULL    |       |

+-------+-------------+------+-----+---------+-------+
```
3 rows in set (0.05 sec)

mysql> delete from stu;

Query OK, 1 row affected (0.00 sec)

mysql> alter table stu modify id int(2) AUTO_INCREMENT PRIMARY KEY;

Query OK, 0 rows affected (0.03 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> desc stu;
+-------+-------------+------+-----+---------+----------------+
| Field | Type        | Null | Key | Default | Extra          |
+-------+-------------+------+-----+---------+----------------+
| id    | int(2)      | NO   | PRI | NULL    | auto_increment |
| name  | varchar(10) | YES  |     | NULL    |                |
| city  | varchar(10) | YES  |     | NULL    |                |
+-------+-------------+------+-----+---------+----------------+
3 rows in set (0.07 sec)

mysql> desc emp;
+-------+-------------+------+-----+---------+----------------+
| Field | Type        | Null | Key | Default | Extra          |
+-------+-------------+------+-----+---------+----------------+
| id    | int(2)      | NO   | PRI | NULL    | auto_increment |
| name  | varchar(10) | YES  |     | NULL    |                |
| city  | varchar(10) | YES  |     | NULL    |                |
+-------+-------------+------+-----+---------+----------------+
3 rows in set (0.07 sec)
```

```
mysql> create table pdata(id int(2) Auto_Increment Primary Key,name
varchar(10),city varchar(10),salary double(7,2),country varchar(10));
Query OK, 0 rows affected (0.02 sec)


mysql> desc pdata;
+---------+-------------+------+-----+---------+----------------+
| Field   | Type        | Null | Key | Default | Extra          |
+---------+-------------+------+-----+---------+----------------+
| id      | int(2)      | NO   | PRI | NULL    | auto_increment |
| name    | varchar(10) | YES  |     | NULL    |                |
| city    | varchar(10) | YES  |     | NULL    |                |
| salary  | double(7,2) | YES  |     | NULL    |                |
| country | varchar(10) | YES  |     | NULL    |                |
+---------+-------------+------+-----+---------+----------------+
5 rows in set (0.05 sec)


mysql> insert into pdata(name,city,salary,country)
values('Akshata','Hyd',30000,'India');
Query OK, 1 row affected (0.00 sec)


mysql> insert into pdata(name,city,salary,country)
values('Bharath','Del',25000,'India');
Query OK, 1 row affected (0.00 sec)


mysql> insert into pdata(name,city,salary,country)
values('Pavan','Bihar',35000,'India');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into pdata(name,city,salary,country)
values('Madhavi','Puna',40000,'India');

Query OK, 1 row affected (0.00 sec)


mysql> insert into pdata(name,city,salary,country)
values('Kishan','Hyd',32000,'India');

Query OK, 1 row affected (0.00 sec)


mysql> insert into pdata(name,city,salary,country)
values('Danamma','Bang',21000,'India');

Query OK, 1 row affected (0.00 sec)


mysql> insert into pdata(name,city,salary,country)
values('Lekhana','Goa',42000,'India');

Query OK, 1 row affected (0.00 sec)


mysql> insert into pdata(name,city,salary,country)
values('Nikhita','Del',23000,'India');

Query OK, 1 row affected (0.00 sec)


mysql> insert into pdata(name,city,salary,country)
values('Subbu','Hary',53000,'India');

Query OK, 1 row affected (0.00 sec)


mysql> insert into pdata(name,city,salary,country)
values('Vivek','Ambala',60000,'India');

Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into pdata(name,city,salary,country)
values('Yogesh','Kanpur',24000,'India');

Query OK, 1 row affected (0.00 sec)


mysql> select * from pdata;

+----+---------+--------+----------+---------+
| id | name    | city   | salary   | country |
+----+---------+--------+----------+---------+
|  1 | Akshata | Hyd    | 30000.00 | India   |
|  2 | Bharath | Del    | 25000.00 | India   |
|  3 | Pavan   | Bihar  | 35000.00 | India   |
|  4 | Madhavi | Puna   | 40000.00 | India   |
|  5 | Kishan  | Hyd    | 32000.00 | India   |
|  6 | Danamma | Bang   | 21000.00 | India   |
|  7 | Lekhana | Goa    | 42000.00 | India   |
|  8 | Nikhita | Del    | 23000.00 | India   |
|  9 | Subbu   | Hary   | 53000.00 | India   |
| 10 | Vivek   | Ambala | 60000.00 | India   |
| 11 | Yogesh  | Kanpur | 24000.00 | India   |
+----+---------+--------+----------+---------+
11 rows in set (0.00 sec)


mysql> insert into pdata(name,city,salary,country)
values('Micky','Punjab',14000,'India');

Query OK, 1 row affected (0.00 sec)
```

```
mysql> select * from pdata;
+----+---------+--------+----------+---------+
| id | name    | city   | salary   | country |
+----+---------+--------+----------+---------+
|  1 | Akshata | Hyd    | 30000.00 | India   |
|  2 | Bharath | Del    | 25000.00 | India   |
|  3 | Pavan   | Bihar  | 35000.00 | India   |
|  4 | Madhavi | Puna   | 40000.00 | India   |
|  5 | Kishan  | Hyd    | 32000.00 | India   |
|  6 | Danamma | Bang   | 21000.00 | India   |
|  7 | Lekhana | Goa    | 42000.00 | India   |
|  8 | Nikhita | Del    | 23000.00 | India   |
|  9 | Subbu   | Hary   | 53000.00 | India   |
| 10 | Vivek   | Ambala | 60000.00 | India   |
| 11 | Yogesh  | Kanpur | 24000.00 | India   |
| 12 | Micky   | Punjab | 14000.00 | India   |
+----+---------+--------+----------+---------+
12 rows in set (0.00 sec)

mysql> update pdata set country="SriLanka";
Query OK, 12 rows affected (0.00 sec)
Rows matched: 12  Changed: 12  Warnings: 0

mysql> select * from pdata;
+----+---------+--------+----------+----------+
| id | name    | city   | salary   | country  |
```

```
+----+---------+--------+----------+----------+
|  1 | Akshata | Hyd    | 30000.00 | SriLanka |
|  2 | Bharath | Del    | 25000.00 | SriLanka |
|  3 | Pavan   | Bihar  | 35000.00 | SriLanka |
|  4 | Madhavi | Puna   | 40000.00 | SriLanka |
|  5 | Kishan  | Hyd    | 32000.00 | SriLanka |
|  6 | Danamma | Bang   | 21000.00 | SriLanka |
|  7 | Lekhana | Goa    | 42000.00 | SriLanka |
|  8 | Nikhita | Del    | 23000.00 | SriLanka |
|  9 | Subbu   | Hary   | 53000.00 | SriLanka |
| 10 | Vivek   | Ambala | 60000.00 | SriLanka |
| 11 | Yogesh  | Kanpur | 24000.00 | SriLanka |
| 12 | Micky   | Punjab | 14000.00 | SriLanka |
+----+---------+--------+----------+----------+
12 rows in set (0.00 sec)


mysql> update pdata set country="India";
Query OK, 12 rows affected (0.00 sec)
Rows matched: 12  Changed: 12  Warnings: 0


mysql> update pdata set salary=70000 where id=12;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0


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

```
| id | name    | city   | salary   | country |
+----+---------+--------+----------+---------+
| 1 | Akshata | Hyd    | 30000.00 | India   |
| 2 | Bharath | Del    | 25000.00 | India   |
| 3 | Pavan   | Bihar  | 35000.00 | India   |
| 4 | Madhavi | Puna   | 40000.00 | India   |
| 5 | Kishan  | Hyd    | 32000.00 | India   |
| 6 | Danamma | Bang   | 21000.00 | India   |
| 7 | Lekhana | Goa    | 42000.00 | India   |
| 8 | Nikhita | Del    | 23000.00 | India   |
| 9 | Subbu   | Hary   | 53000.00 | India   |
| 10 | Vivek   | Ambala | 60000.00 | India   |
| 11 | Yogesh  | Kanpur | 24000.00 | India   |
| 12 | Micky   | Punjab | 70000.00 | India   |
+----+---------+--------+----------+---------+
12 rows in set (0.00 sec)
```

mysql> insert into pdata(name,city,salary,country) values('Bharath','Hyd',14000,'India');

Query OK, 1 row affected (0.00 sec)

mysql> insert into pdata(name,city,salary,country) values('Subbu','MP',19000,'India');

Query OK, 1 row affected (0.00 sec)

mysql> insert into pdata(name,city,salary,country) values('Pavan','UP',17000,'India');

Query OK, 1 row affected (0.00 sec)

mysql> insert into pdata(name,city,salary,country)
values('Aakash','JK',22000,'India');

Query OK, 1 row affected (0.00 sec)

mysql> insert into pdata(name,city,salary,country)
values('Aakash','Hyd',35000,'India');

Query OK, 1 row affected (0.00 sec)

mysql> select * from pdata;

```
+----+---------+--------+----------+---------+
| id | name    | city   | salary   | country |
+----+---------+--------+----------+---------+
|  1 | Akshata | Hyd    | 30000.00 | India   |
|  2 | Bharath | Del    | 25000.00 | India   |
|  3 | Pavan   | Bihar  | 35000.00 | India   |
|  4 | Madhavi | Puna   | 40000.00 | India   |
|  5 | Kishan  | Hyd    | 32000.00 | India   |
|  6 | Danamma | Bang   | 21000.00 | India   |
|  7 | Lekhana | Goa    | 42000.00 | India   |
|  8 | Nikhita | Del    | 23000.00 | India   |
|  9 | Subbu   | Hary   | 53000.00 | India   |
| 10 | Vivek   | Ambala | 60000.00 | India   |
| 11 | Yogesh  | Kanpur | 24000.00 | India   |
| 12 | Micky   | Punjab | 70000.00 | India   |
| 13 | Bharath | Hyd    | 14000.00 | India   |
```

```
| 14 | Subbu   | MP    | 19000.00 | India   |
| 15 | Pavan   | UP    | 17000.00 | India   |
| 16 | Aakash  | JK    | 22000.00 | India   |
| 17 | Aakash  | Hyd   | 35000.00 | India   |
+----+---------+--------+----------+---------+
17 rows in set (0.00 sec)
```

mysql> select distinct name from pdata;

```
+---------+
| name    |
+---------+
| Akshata |
| Bharath |
| Pavan   |
| Madhavi |
| Kishan  |
| Danamma |
| Lekhana |
| Nikhita |
| Subbu   |
| Vivek   |
| Yogesh  |
| Micky   |
| Aakash  |
+---------+
13 rows in set (0.00 sec)
```

```
mysql> select name from pdata;
+---------+
| name    |
+---------+
| Akshata |
| Bharath |
| Pavan   |
| Madhavi |
| Kishan  |
| Danamma |
| Lekhana |
| Nikhita |
| Subbu   |
| Vivek   |
| Yogesh  |
| Micky   |
| Bharath |
| Subbu   |
| Pavan   |
| Aakash  |
| Aakash  |
+---------+
17 rows in set (0.00 sec)

mysql> select distinct name from pdata;
```

```
+---------+
| name    |
+---------+
| Akshata |
| Bharath |
| Pavan   |
| Madhavi |
| Kishan  |
| Danamma |
| Lekhana |
| Nikhita |
| Subbu   |
| Vivek   |
| Yogesh  |
| Micky   |
| Aakash  |
+---------+
13 rows in set (0.00 sec)


mysql> select count(distinct name) from pdata;

+----------------------+
```

```
| count(distinct name) |
+----------------------+
|                  13  |
+----------------------+
1 row in set (0.00 sec)


mysql> select count(name) from pdata;
+-------------+
| count(name) |
+-------------+
|          17 |
+-------------+
1 row in set (0.00 sec)


mysql> select * from pdata where name='Micky';
+----+-------+--------+----------+---------+
| id | name  | city   | salary   | country |
+----+-------+--------+----------+---------+
| 12 | Micky | Punjab | 70000.00 | India   |
+----+-------+--------+----------+---------+
1 row in set (0.00 sec)


mysql> select * from pdata where name='Pavan';
+----+-------+-------+----------+---------+
| id | name  | city  | salary   | country |
+----+-------+-------+----------+---------+
```

```
|  3 | Pavan | Bihar | 35000.00 | India   |
| 15 | Pavan | UP    | 17000.00 | India   |
+----+-------+-------+----------+---------+
2 rows in set (0.00 sec)
```

mysql> select * from pdata where id=7;
```
+----+---------+------+----------+---------+
| id | name    | city | salary   | country |
+----+---------+------+----------+---------+
|  7 | Lekhana | Goa  | 42000.00 | India   |
+----+---------+------+----------+---------+
1 row in set (0.00 sec)
```

mysql> select * from pdata where id=5;
```
+----+--------+------+----------+---------+
| id | name   | city | salary   | country |
+----+--------+------+----------+---------+
|  5 | Kishan | Hyd  | 32000.00 | India   |
+----+--------+------+----------+---------+
1 row in set (0.00 sec)
```

mysql> select * from pdata where id=9;
```
+----+-------+------+----------+---------+
| id | name  | city | salary   | country |
+----+-------+------+----------+---------+
|  9 | Subbu | Hary | 53000.00 | India   |
```

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


mysql> select * from pdata where id>3;
+----+---------+--------+----------+---------+
| id | name    | city   | salary   | country |
+----+---------+--------+----------+---------+
|  4 | Madhavi | Puna   | 40000.00 | India   |
|  5 | Kishan  | Hyd    | 32000.00 | India   |
|  6 | Danamma | Bang   | 21000.00 | India   |
|  7 | Lekhana | Goa    | 42000.00 | India   |
|  8 | Nikhita | Del    | 23000.00 | India   |
|  9 | Subbu   | Hary   | 53000.00 | India   |
| 10 | Vivek   | Ambala | 60000.00 | India   |
| 11 | Yogesh  | Kanpur | 24000.00 | India   |
| 12 | Micky   | Punjab | 70000.00 | India   |
| 13 | Bharath | Hyd    | 14000.00 | India   |
| 14 | Subbu   | MP     | 19000.00 | India   |
| 15 | Pavan   | UP     | 17000.00 | India   |
| 16 | Aakash  | JK     | 22000.00 | India   |
| 17 | Aakash  | Hyd    | 35000.00 | India   |
+----+---------+--------+----------+---------+
14 rows in set (0.00 sec)


mysql> select * from pdata where id<3;
+----+---------+------+----------+---------+
```

```
| id | name    | city | salary   | country |

+----+---------+------+----------+---------+

|  1 | Akshata | Hyd  | 30000.00 | India   |

|  2 | Bharath | Del  | 25000.00 | India   |

+----+---------+------+----------+---------+

2 rows in set (0.00 sec)


mysql> select * from pdata where salary<20000;

+----+---------+------+----------+---------+

| id | name    | city | salary   | country |

+----+---------+------+----------+---------+

| 13 | Bharath | Hyd  | 14000.00 | India   |

| 14 | Subbu   | MP   | 19000.00 | India   |

| 15 | Pavan   | UP   | 17000.00 | India   |

+----+---------+------+----------+---------+

3 rows in set (0.00 sec)


mysql> select * from pdata where salary>40000;

+----+---------+--------+----------+---------+

| id | name    | city   | salary   | country |

+----+---------+--------+----------+---------+

|  7 | Lekhana | Goa    | 42000.00 | India   |

|  9 | Subbu   | Hary   | 53000.00 | India   |

| 10 | Vivek   | Ambala | 60000.00 | India   |

| 12 | Micky   | Punjab | 70000.00 | India   |

+----+---------+--------+----------+---------+
```

4 rows in set (0.00 sec)

mysql> select * from pdata where salary>20000 and salary<40000;

```
+----+---------+--------+----------+---------+
| id | name    | city   | salary   | country |
+----+---------+--------+----------+---------+
|  1 | Akshata | Hyd    | 30000.00 | India   |
|  2 | Bharath | Del    | 25000.00 | India   |
|  3 | Pavan   | Bihar  | 35000.00 | India   |
|  5 | Kishan  | Hyd    | 32000.00 | India   |
|  6 | Danamma | Bang   | 21000.00 | India   |
|  8 | Nikhita | Del    | 23000.00 | India   |
| 11 | Yogesh  | Kanpur | 24000.00 | India   |
| 16 | Aakash  | JK     | 22000.00 | India   |
| 17 | Aakash  | Hyd    | 35000.00 | India   |
+----+---------+--------+----------+---------+
```
9 rows in set (0.00 sec)

mysql> select * from pdata where salary <> 23000;

```
+----+---------+--------+----------+---------+
| id | name    | city   | salary   | country |
+----+---------+--------+----------+---------+
|  1 | Akshata | Hyd    | 30000.00 | India   |
|  2 | Bharath | Del    | 25000.00 | India   |
|  3 | Pavan   | Bihar  | 35000.00 | India   |
|  4 | Madhavi | Puna   | 40000.00 | India   |
```

```
|  5 | Kishan  | Hyd    | 32000.00 | India   |

|  6 | Danamma | Bang   | 21000.00 | India   |

|  7 | Lekhana | Goa    | 42000.00 | India   |

|  9 | Subbu   | Hary   | 53000.00 | India   |

| 10 | Vivek   | Ambala | 60000.00 | India   |

| 11 | Yogesh  | Kanpur | 24000.00 | India   |

| 12 | Micky   | Punjab | 70000.00 | India   |

| 13 | Bharath | Hyd    | 14000.00 | India   |

| 14 | Subbu   | MP     | 19000.00 | India   |

| 15 | Pavan   | UP     | 17000.00 | India   |

| 16 | Aakash  | JK     | 22000.00 | India   |

| 17 | Aakash  | Hyd    | 35000.00 | India   |

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

mysql> select * from pdata where salary >14000 and salary <20000;
```
+----+-------+------+----------+---------+

| id | name  | city | salary   | country |

+----+-------+------+----------+---------+

| 14 | Subbu | MP   | 19000.00 | India   |

| 15 | Pavan | UP   | 17000.00 | India   |

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

mysql> select * from pdata where (salary >14000 and salary <20000) and salary <>19000;
```
+----+-------+------+----------+---------+
```

```
| id | name  | city | salary   | country |
+----+-------+------+----------+---------+
| 15 | Pavan | UP   | 17000.00 | India   |
+----+-------+------+----------+---------+
1 row in set (0.00 sec)
```

mysql> select * from pdata where (salary >14000 and salary <20000) or (salary > 35000 and salary < 45000);

```
+----+---------+------+----------+---------+
| id | name    | city | salary   | country |
+----+---------+------+----------+---------+
|  4 | Madhavi | Puna | 40000.00 | India   |
|  7 | Lekhana | Goa  | 42000.00 | India   |
| 14 | Subbu   | MP   | 19000.00 | India   |
| 15 | Pavan   | UP   | 17000.00 | India   |
+----+---------+------+----------+---------+
4 rows in set (0.00 sec)
```

mysql> select name from emp;
```
+----------+
| name     |
+----------+
| Micky    |
| Aakash   |
| Aniruddh |
| Bhrarth  |
| Harish   |
```

```
| Kishan   |

| Bharath  |

+----------+

7 rows in set (0.00 sec)


mysql> select name from pdata;

+---------+

| name    |

+---------+

| Akshata |

| Bharath |

| Pavan   |

| Madhavi |

| Kishan  |

| Danamma |

| Lekhana |

| Nikhita |

| Subbu   |

| Vivek   |

| Yogesh  |

| Micky   |

| Bharath |

| Subbu   |

| Pavan   |

| Aakash  |

| Aakash  |
```

```
+---------+
```

17 rows in set (0.00 sec)

mysql> select name from pdata order by name;

```
+---------+
| name    |
+---------+
| Aakash  |
| Aakash  |
| Akshata |
| Bharath |
| Bharath |
| Danamma |
| Kishan  |
| Lekhana |
| Madhavi |
| Micky   |
| Nikhita |
| Pavan   |
| Pavan   |
| Subbu   |
| Subbu   |
| Vivek   |
```

| Yogesh |

+---------+

17 rows in set (0.00 sec)

mysql> select * from pdata order by name;

+----+---------+--------+----------+---------+
| id | name | city | salary | country |
+----+---------+--------+----------+---------+
17	Aakash	Hyd	35000.00	India
16	Aakash	JK	22000.00	India
1	Akshata	Hyd	30000.00	India
13	Bharath	Hyd	14000.00	India
2	Bharath	Del	25000.00	India
6	Danamma	Bang	21000.00	India
5	Kishan	Hyd	32000.00	India
7	Lekhana	Goa	42000.00	India
4	Madhavi	Puna	40000.00	India
12	Micky	Punjab	70000.00	India
8	Nikhita	Del	23000.00	India
15	Pavan	UP	17000.00	India
3	Pavan	Bihar	35000.00	India
14	Subbu	MP	19000.00	India
9	Subbu	Hary	53000.00	India
10	Vivek	Ambala	60000.00	India
11	Yogesh	Kanpur	24000.00	India
+----+---------+--------+----------+---------+

17 rows in set (0.00 sec)

mysql> select name from pdata order by name desc;

```
+---------+
| name    |
+---------+
| Yogesh  |
| Vivek   |
| Subbu   |
| Subbu   |
| Pavan   |
| Pavan   |
| Nikhita |
| Micky   |
| Madhavi |
| Lekhana |
| Kishan  |
| Danamma |
| Bharath |
| Bharath |
| Akshata |
| Aakash  |
| Aakash  |
+---------+
```
17 rows in set (0.00 sec)

```
mysql> select * from pdata order by name desc;
+----+---------+--------+----------+---------+
| id | name    | city   | salary   | country |
+----+---------+--------+----------+---------+
| 11 | Yogesh  | Kanpur | 24000.00 | India   |
| 10 | Vivek   | Ambala | 60000.00 | India   |
|  9 | Subbu   | Hary   | 53000.00 | India   |
| 14 | Subbu   | MP     | 19000.00 | India   |
|  3 | Pavan   | Bihar  | 35000.00 | India   |
| 15 | Pavan   | UP     | 17000.00 | India   |
|  8 | Nikhita | Del    | 23000.00 | India   |
| 12 | Micky   | Punjab | 70000.00 | India   |
|  4 | Madhavi | Puna   | 40000.00 | India   |
|  7 | Lekhana | Goa    | 42000.00 | India   |
|  5 | Kishan  | Hyd    | 32000.00 | India   |
|  6 | Danamma | Bang   | 21000.00 | India   |
|  2 | Bharath | Del    | 25000.00 | India   |
| 13 | Bharath | Hyd    | 14000.00 | India   |
|  1 | Akshata | Hyd    | 30000.00 | India   |
| 16 | Aakash  | JK     | 22000.00 | India   |
| 17 | Aakash  | Hyd    | 35000.00 | India   |
+----+---------+--------+----------+---------+
17 rows in set (0.00 sec)

mysql> select name,salary from pdata;
+---------+----------+
```

```
| name    | salary   |
+---------+----------+
| Akshata | 30000.00 |
| Bharath | 25000.00 |
| Pavan   | 35000.00 |
| Madhavi | 40000.00 |
| Kishan  | 32000.00 |
| Danamma | 21000.00 |
| Lekhana | 42000.00 |
| Nikhita | 23000.00 |
| Subbu   | 53000.00 |
| Vivek   | 60000.00 |
| Yogesh  | 24000.00 |
| Micky   | 70000.00 |
| Bharath | 14000.00 |
| Subbu   | 19000.00 |
| Pavan   | 17000.00 |
| Aakash  | 22000.00 |
| Aakash  | 35000.00 |
+---------+----------+
17 rows in set (0.00 sec)

mysql> select name,min(salary) from pdata;
+---------+-------------+
| name    | min(salary) |
+---------+-------------+
```

```
| Akshata |    14000.00 |

+---------+-------------+

1 row in set (0.00 sec)


mysql> select name,max(salary) from pdata;

+---------+-------------+

| name    | max(salary) |

+---------+-------------+

| Akshata |    70000.00 |

+---------+-------------+

1 row in set (0.00 sec)


mysql> select min(salary) from pdata;

+-------------+

| min(salary) |

+-------------+

|    14000.00 |

+-------------+

1 row in set (0.00 sec)


mysql> select max(salary) from pdata;

+-------------+

| max(salary) |

+-------------+

|    70000.00 |

+-------------+
```

1 row in set (0.00 sec)

mysql> select Avg(salary) from pdata;

```
+--------------+
| Avg(salary)  |
+--------------+
| 33058.823529 |
+--------------+
```

1 row in set (0.00 sec)

mysql> select sum(salary) from pdata;

```
+-------------+
| sum(salary) |
+-------------+
|   562000.00 |
+-------------+
```

1 row in set (0.00 sec)

mysql> select count(salary) from pdata;

```
+---------------+
| count(salary) |
+---------------+
|            17 |
+---------------+
```

1 row in set (0.00 sec)

```
mysql> select * from pdata;

+----+---------+--------+----------+---------+
| id | name    | city   | salary   | country |
+----+---------+--------+----------+---------+
|  1 | Akshata | Hyd    | 30000.00 | India   |
|  2 | Bharath | Del    | 25000.00 | India   |
|  3 | Pavan   | Bihar  | 35000.00 | India   |
|  4 | Madhavi | Puna   | 40000.00 | India   |
|  5 | Kishan  | Hyd    | 32000.00 | India   |
|  6 | Danamma | Bang   | 21000.00 | India   |
|  7 | Lekhana | Goa    | 42000.00 | India   |
|  8 | Nikhita | Del    | 23000.00 | India   |
|  9 | Subbu   | Hary   | 53000.00 | India   |
| 10 | Vivek   | Ambala | 60000.00 | India   |
| 11 | Yogesh  | Kanpur | 24000.00 | India   |
| 12 | Micky   | Punjab | 70000.00 | India   |
| 13 | Bharath | Hyd    | 14000.00 | India   |
| 14 | Subbu   | MP     | 19000.00 | India   |
| 15 | Pavan   | UP     | 17000.00 | India   |
| 16 | Aakash  | JK     | 22000.00 | India   |
| 17 | Aakash  | Hyd    | 35000.00 | India   |
+----+---------+--------+----------+---------+
17 rows in set (0.00 sec)

mysql> select * from pdata limit 5;
+----+---------+-------+----------+---------+
```

```
| id | name    | city  | salary   | country |
+----+---------+-------+----------+---------+
|  1 | Akshata | Hyd   | 30000.00 | India   |
|  2 | Bharath | Del   | 25000.00 | India   |
|  3 | Pavan   | Bihar | 35000.00 | India   |
|  4 | Madhavi | Puna  | 40000.00 | India   |
|  5 | Kishan  | Hyd   | 32000.00 | India   |
+----+---------+-------+----------+---------+
5 rows in set (0.00 sec)

mysql> select * from pdata limit 5 offset 5;
+----+---------+--------+----------+---------+
| id | name    | city   | salary   | country |
+----+---------+--------+----------+---------+
|  6 | Danamma | Bang   | 21000.00 | India   |
|  7 | Lekhana | Goa    | 42000.00 | India   |
|  8 | Nikhita | Del    | 23000.00 | India   |
|  9 | Subbu   | Hary   | 53000.00 | India   |
| 10 | Vivek   | Ambala | 60000.00 | India   |
+----+---------+--------+----------+---------+
5 rows in set (0.00 sec)

mysql> select * from pdata limit 5 offset 10;
+----+---------+--------+----------+---------+
| id | name    | city   | salary   | country |
+----+---------+--------+----------+---------+
```

| 11 | Yogesh | Kanpur | 24000.00 | India |

| 12 | Micky | Punjab | 70000.00 | India |

| 13 | Bharath | Hyd | 14000.00 | India |

| 14 | Subbu | MP | 19000.00 | India |

| 15 | Pavan | UP | 17000.00 | India |

+----+---------+--------+----------+---------+

5 rows in set (0.00 sec)

mysql> select * from pdata limit 5 offset 15;

+----+--------+------+----------+---------+

| id | name | city | salary | country |

+----+--------+------+----------+---------+

| 16 | Aakash | JK | 22000.00 | India |

| 17 | Aakash | Hyd | 35000.00 | India |

+----+--------+------+----------+---------+

2 rows in set (0.00 sec)

mysql> select * from pdata where name like 's%';

+----+-------+------+----------+---------+

| id | name | city | salary | country |

+----+-------+------+----------+---------+

| 9 | Subbu | Hary | 53000.00 | India |

| 14 | Subbu | MP | 19000.00 | India |

+----+-------+------+----------+---------+

2 rows in set (0.00 sec)

```
mysql> select * from pdata where name like 'a%';
+----+---------+------+----------+---------+
| id | name    | city | salary   | country |
+----+---------+------+----------+---------+
|  1 | Akshata | Hyd  | 30000.00 | India   |
| 16 | Aakash  | JK   | 22000.00 | India   |
| 17 | Aakash  | Hyd  | 35000.00 | India   |
+----+---------+------+----------+---------+
3 rows in set (0.00 sec)

mysql> select * from pdata where name like 'ak%';
+----+---------+------+----------+---------+
| id | name    | city | salary   | country |
+----+---------+------+----------+---------+
|  1 | Akshata | Hyd  | 30000.00 | India   |
+----+---------+------+----------+---------+
1 row in set (0.00 sec)

mysql> select * from pdata where name like 'a%a';
+----+---------+------+----------+---------+
| id | name    | city | salary   | country |
+----+---------+------+----------+---------+
|  1 | Akshata | Hyd  | 30000.00 | India   |
+----+---------+------+----------+---------+
1 row in set (0.00 sec)
```

```
mysql> select * from pdata where name like '%a%';
+----+---------+-------+----------+---------+
| id | name    | city  | salary   | country |
+----+---------+-------+----------+---------+
|  1 | Akshata | Hyd   | 30000.00 | India   |
|  2 | Bharath | Del   | 25000.00 | India   |
|  3 | Pavan   | Bihar | 35000.00 | India   |
|  4 | Madhavi | Puna  | 40000.00 | India   |
|  5 | Kishan  | Hyd   | 32000.00 | India   |
|  6 | Danamma | Bang  | 21000.00 | India   |
|  7 | Lekhana | Goa   | 42000.00 | India   |
|  8 | Nikhita | Del   | 23000.00 | India   |
| 13 | Bharath | Hyd   | 14000.00 | India   |
| 15 | Pavan   | UP    | 17000.00 | India   |
| 16 | Aakash  | JK    | 22000.00 | India   |
| 17 | Aakash  | Hyd   | 35000.00 | India   |
+----+---------+-------+----------+---------+
12 rows in set (0.00 sec)

mysql> select * from pdata where name like '%ic%';
+----+-------+--------+----------+---------+
| id | name  | city   | salary   | country |
+----+-------+--------+----------+---------+
| 12 | Micky | Punjab | 70000.00 | India   |
+----+-------+--------+----------+---------+
1 row in set (0.00 sec)
```

```
mysql> select * from pdata where name like '_a%';
+----+---------+-------+----------+---------+
| id | name    | city  | salary   | country |
+----+---------+-------+----------+---------+
|  3 | Pavan   | Bihar | 35000.00 | India   |
|  4 | Madhavi | Puna  | 40000.00 | India   |
|  6 | Danamma | Bang  | 21000.00 | India   |
| 15 | Pavan   | UP    | 17000.00 | India   |
| 16 | Aakash  | JK    | 22000.00 | India   |
| 17 | Aakash  | Hyd   | 35000.00 | India   |
+----+---------+-------+----------+---------+
6 rows in set (0.00 sec)


mysql> select * from pdata where name like '__a%';
+----+---------+------+----------+---------+
| id | name    | city | salary   | country |
+----+---------+------+----------+---------+
|  2 | Bharath | Del  | 25000.00 | India   |
| 13 | Bharath | Hyd  | 14000.00 | India   |
+----+---------+------+----------+---------+
2 rows in set (0.00 sec)


mysql> select * from pdata where name like '%a_';
+----+--------+-------+----------+---------+
| id | name   | city  | salary   | country |
```

```
+----+--------+-------+----------+---------+
|  3 | Pavan  | Bihar | 35000.00 | India   |
|  5 | Kishan | Hyd   | 32000.00 | India   |
| 15 | Pavan  | UP    | 17000.00 | India   |
+----+--------+-------+----------+---------+
3 rows in set (0.00 sec)


mysql> select * from pdata where name like '%a__';
+----+---------+------+----------+---------+
| id | name    | city | salary   | country |
+----+---------+------+----------+---------+
|  1 | Akshata | Hyd  | 30000.00 | India   |
|  2 | Bharath | Del  | 25000.00 | India   |
|  4 | Madhavi | Puna | 40000.00 | India   |
|  7 | Lekhana | Goa  | 42000.00 | India   |
| 13 | Bharath | Hyd  | 14000.00 | India   |
| 16 | Aakash  | JK   | 22000.00 | India   |
| 17 | Aakash  | Hyd  | 35000.00 | India   |
+----+---------+------+----------+---------+
7 rows in set (0.00 sec)
```