

Employee Name : - PravinKumar RajaSahayam

Employee Id : - 11946

Day - 3

MYSQL : -

```
mysql> show databases;
```

```
+-----+
| Database          |
+-----+
| information_schema |
| mysql              |
| mysqlday1          |
| mysqlday2          |
| performance_schema |
| pravinkumarrajasahayam |
| sakila              |
| sys                |
| world              |
+-----+
```

9 rows in set (0.01 sec)

```
mysql> create database mysqlday3;
```

Query OK, 1 row affected (0.01 sec)

```
mysql> use mysqlday3;
```

Database changed

```
mysql> show tables;
```

Empty set (0.00 sec)

```
mysql> create table tbl_employee (
```

```
  -> id int(5),
```

```
  -> name varchar(10),
```

```
  -> salary int(20),
```

```
  -> dno int(3)
```

```
  -> );
```

Query OK, 0 rows affected, 3 warnings (0.03 sec)

```
mysql> desc tbl_employee;
```

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

Field	Type	Null	Key	Default	Extra
id	int	YES		NULL	
name	varchar(10)	YES		NULL	
salary	int	YES		NULL	
dno	int	YES		NULL	

4 rows in set (0.00 sec)

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

Empty set (0.00 sec)

```
mysql> insert into tbl_employee values (10111,'Pravins',100000,111);
```

Query OK, 1 row affected (0.00 sec)

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

id	name	salary	dno
10111	Pravins	100000	111

1 row in set (0.00 sec)

```
mysql> create table tbl_employee1 as select * from tbl_employee;
```

Query OK, 1 row affected (0.03 sec)

Records: 1 Duplicates: 0 Warnings: 0

```
mysql> select * from tbl_employee1;
```

id	name	salary	dno
10111	Pravins	100000	111

1 row in set (0.00 sec)

```
mysql> desc tbl_employee1;
```

Field	Type	Null	Key	Default	Extra
id	int	YES		NULL	
name	varchar(10)	YES		NULL	
salary	int	YES		NULL	
dno	int	YES		NULL	

4 rows in set (0.00 sec)

mysql> create table tbl_employee2 as select * from tbl_employee where 1=2;

Query OK, 0 rows affected (0.03 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc tbl_employee2;

Field	Type	Null	Key	Default	Extra
id	int	YES		NULL	
name	varchar(10)	YES		NULL	
salary	int	YES		NULL	
dno	int	YES		NULL	

4 rows in set (0.00 sec)

mysql> select * from tbl_employee2;

Empty set (0.00 sec)

mysql> desc tbl_employee1;

Field	Type	Null	Key	Default	Extra
id	int	YES		NULL	
name	varchar(10)	YES		NULL	
salary	int	YES		NULL	
dno	int	YES		NULL	

4 rows in set (0.00 sec)

mysql> select * from tbl_employee1;

id	name	salary	dno
10111	Pravins	100000	111

1 row in set (0.00 sec)

mysql> insert into tbl_employee1 values(10112,'Pravins',20000,111);

Query OK, 1 row affected (0.01 sec)

mysql> insert into tbl_employee1 values(10113,'Pravins',30000,111);

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into tbl_employee1 values(10115,'Pravins',50000,115);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select * from tbl_employee1;
```

id	name	salary	dno
10111	Pravins	100000	111
10112	Pravins	20000	111
10113	Pravins	30000	111
10115	Pravins	50000	115

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

```
mysql> commit;
```

```
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> select count(*) from tbl_employee1;
```

count(*)
4

```
1 row in set (0.01 sec)
```

```
mysql> select dno , count(*) from tbl_employee1 group by dno;
```

dno	count(*)
111	3
115	1

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

```
mysql> select dno as "Department No" , count(*) as "No of Employees" from tbl_employee1
group by dno;
```

Department No	No of Employees
111	3
115	1

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

```
mysql> select dno as "Department No" , count(*) as "No of Employees" from tbl_employee1
group by dno order by dno desc;
```

```
+-----+-----+
| Department No | No of Employees |
+-----+-----+
|          115 |           1 |
|          111 |           3 |
+-----+-----+
```

2 rows in set (0.00 sec)

```
mysql> select sum(dno) from tbl_employee1;
```

```
+-----+
| sum(dno) |
+-----+
|      448 |
+-----+
```

1 row in set (0.00 sec)

```
mysql> select avg(dno) from tbl_employee1;
```

```
+-----+
| avg(dno) |
+-----+
| 112.0000 |
+-----+
```

1 row in set (0.00 sec)

```
mysql> select min(dno) from tbl_employee1;
```

```
+-----+
| min(dno) |
+-----+
|      111 |
+-----+
```

1 row in set (0.00 sec)

```
mysql> select max(dno) from tbl_employee1;
```

```
+-----+
| max(dno) |
+-----+
|      115 |
+-----+
```

1 row in set (0.00 sec)

```
mysql> select dno , sum(dno) from tbl_employee1 group by dno;
```

```

+-----+-----+
| dno | sum(dno) |
+-----+-----+
| 111 |    333 |
| 115 |    115 |
+-----+-----+
2 rows in set (0.00 sec)

```

```

mysql> select dno , avg(dno) from tbl_employee1 group by dno;
+-----+-----+
| dno | avg(dno) |
+-----+-----+
| 111 | 111.0000 |
| 115 | 115.0000 |
+-----+-----+
2 rows in set (0.00 sec)

```

```

mysql> select dno , min(dno) from tbl_employee1 group by dno;
+-----+-----+
| dno | min(dno) |
+-----+-----+
| 111 |    111 |
| 115 |    115 |
+-----+-----+
2 rows in set (0.00 sec)

```

```

mysql> select dno , max(dno) from tbl_employee1 group by dno;
+-----+-----+
| dno | max(dno) |
+-----+-----+
| 111 |    111 |
| 115 |    115 |
+-----+-----+
2 rows in set (0.00 sec)

```

```

mysql> select dno as "Department No" , sum(dno) as "Sum of the No of Employees" from
tbl_employee1 group by dno;
+-----+-----+
| Department No | Sum of the No of Employees |
+-----+-----+
|          111 |                333 |
|          115 |                115 |
+-----+-----+
2 rows in set (0.00 sec)

```

```
mysql> select dno as "Department No" , avg(dno) as "Avg for the Employees" from
tbl_employee1 group by dno;
```

```
+-----+-----+
| Department No | Avg for the Employees |
+-----+-----+
|      111 |      111.0000 |
|      115 |      115.0000 |
+-----+-----+
```

2 rows in set (0.00 sec)

```
mysql> select dno as "Department No" , min(dno) as "Min of the DNO" from tbl_employee1
group by dno;
```

```
+-----+-----+
| Department No | Min of the DNO |
+-----+-----+
|      111 |      111 |
|      115 |      115 |
+-----+-----+
```

2 rows in set (0.00 sec)

```
mysql> select dno as "Department No" , max(dno) as "Max of the dnos" from tbl_employee1
group by dno;
```

```
+-----+-----+
| Department No | Max of the dnos |
+-----+-----+
|      111 |      111 |
|      115 |      115 |
+-----+-----+
```

2 rows in set (0.00 sec)

```
mysql> select dno as "Department No" , sum(dno) as "Sum of the Nos of Employees" from
tbl_employee1 group by dno order by dno desc;
```

```
+-----+-----+
| Department No | Sum of the Nos of Employees |
+-----+-----+
|      115 |      115 |
|      111 |      333 |
+-----+-----+
```

2 rows in set (0.00 sec)

```
mysql> select dno as "Department No" , sum(dno) as "Avg for the Employess" from
tbl_employee1 group by dno order by dno desc;
```

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

```
| Department No | Avg for the Employess |
```

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

```
|      115 |      115 |
```

```
|      111 |      333 |
```

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

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

```
mysql> select dno as "Department No" , avg(dno) as "Avg for the Employees" from  
tbl_employee1 group by dno order by dno desc;
```

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

```
| Department No | Avg for the Employees |
```

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

```
|      115 |      115.0000 |
```

```
|      111 |      111.0000 |
```

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

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

```
mysql> select dno as "Department No" , min(dno) as "Min of the dno" from tbl_employee1 group  
by dno order by dno desc;
```

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

```
| Department No | Min of the dno |
```

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

```
|      115 |      115 |
```

```
|      111 |      111 |
```

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

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

```
mysql> select dno as "Department No" , max(dno) as "Max of the dnos" from tbl_employee1  
group by dno order by dno desc;
```

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

```
| Department No | Max of the dnos |
```

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

```
|      115 |      115 |
```

```
|      111 |      111 |
```

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

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

```
mysql>
```