

# Eurofins – SQL – Day 1

--DDL Commands - Create, Alter, Truncate & Drop

```
create database eurofins
```

```
select name from master.sys.databases order by name
```

```
use eurofins
```

```
create table employee(eid int,name varchar(30),gender varchar(30),location  
varchar(20))
```

```
alter table employee add dept varchar(10),salary decimal(8,2)
```

```
alter table employee alter column location varchar(30)
```

```
alter table employee drop column gender
```

```
select * from employee
```

```
truncate table employee
```

```
drop table employee
```

--DML - INsert,Update and Delete

```
insert into employee(eid,name,gender,location,dept,salary)  
values(11,'Peter','Male','Pune','HR',80000)
```

```
insert into employee values(12,'Priya','Female','Mumbai','Developer',90000)
```

```
insert into employee(eid,name,dept,salary) values(13,'Meha','Testing',80000)
```

```
insert into employee
```

```
values(14,'John','Male','Chennai','Coding',60000),(15,'Mike','Male','Chennai','HR',90  
000)
```

```
select * from employee
```

```
select eid,name from employee where eid>13
```

```
update employee set salary=85000 where eid>13
```

```
delete from employee where eid=13
```

```

--Data Query Language - Select - with different operators (and,or,in,not
in,like,between),Aggregate functions and clauses(where,order by,group
by,having,distinct)
select eid,name,dept,salary from employee where location='Chennai' and salary>60000
select eid,name,dept,salary from employee where location='Chennai' or salary>60000

select * from employee where salary between 60000 and 90000 order by name

select distinct name from employee order by name desc

select * from employee order by salary desc

select * from employee where location in ('chennai','bangalore')

select * from employee where dept not in ('Testing','Coding')

--select with not in operator
select * from employee where location not in ('chennai','bangalore')

select * from employee where location='chennai' or location='bangalore'

--Like operator
select name,dept,salary from employee where name like 'J%n'

select name,dept,salary from employee where name like '_n%'
select name,dept,salary from employee where name like 'n%'

select * from employee where location <> 'Chennai'

--Aggregate function - MIN,Max,Sum,Avg

select count(*) as No_of_Employees from employee
select Min(salary) as Minimum_Salary,Max(salary) from employee
select Max(salary) as Maximum_Salary from employee
select Sum(salary) as Total_Salary from employee
select avg(salary) as Average_Salary from employee

select dept,count(*) as No_of_Employees from employee group by dept having count(*)=1

select dept,location,count(*) from employee where salary>60000
group by dept,location
having count(*)>1

select * from employee having location='chennai'

```