

Unit - 2

emp

E-id	Name	Dept	Salary
1	Avitesh	HR	10000
2	Darshit	MRKT	20000
3	Abhinav	HR	30000
4	Gautam	MRKT	40000
5	Varun	IT	50000

Create table emp (

```

E-id INT Primary key,
Name Varchar(20),
Dept Varchar(10),
Salary int
);

```

DQL Data Query Language.

(P) Select.

Select * from emp;

>>>

E-id	Name	Dept	Salary
1	Avitesh	HR	10000
2	Darshit	MRKT	20000
3	Abhinav	HR	30000
4	Gautam	MRKT	40000
5	Varun	IT	50000

←

] Tuple

Select name, salary from emp;

>>>

Name	Salary
Avitesh	10000
—	—
—	—
—	—

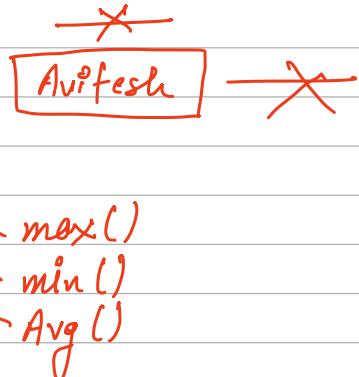
Select Name from emp
where salary > 20000;

>>>

Name	Salary
—	30000
—	40000
—	50000

emp

E-id	Name	Dept	Salary
1	Avitesh	HR	10000
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① maximum salary:-

Select max(salary) from emp;

>>> 50000

② Name of person with maximum salary.

Select name from emp where salary = (Select max(salary) from emp);

>>> Varun.

③ Select Second highest salary

x = select max(salary) from emp where salary <> (Select max(salary) from emp);

>>> 40000

④ Name of person with second highest salary

select name from emp where salary <> (Select max(salary) from emp);

= (Select max(salary) from emp where salary <> (Select max(salary) from emp));

(5) No. of employee in each department.

emp

Count(*)

E-id	Name	Dept	Salary
1	Avitesh	HR	10000
2	Darshit	MRKT	20000
3	Abhinav	HR	30000
4	Gautam	MRKT	40000
5	Varun	IT	50000

Select Count(*) from emp;

<<> 5

HR	Abhinav	30000
MRKT	Gautam	40000
IT	Varun	50000

Select dept, count(*) from emp groupby dept;

HR	2
MRKT	2
IT	1

→ HR	$1+1=2$
→ MRKT	$1+1=2$
IT	1

(6) All dept name having no. of employees less than 2.

Select dept from emp groupby dept having count(*) < 2;

Explanation!

Select dept from emp;

>>> HR
MRKT
HR
MRKT
IT

Select dept from emp groupby dept;

>>> HR
MRKT
IT

Select dept, count(*) from emp groupby dept;

HR	2
MRKT	2
IT	1

Select dept, count(*) from emp groupby dept having count(*) < 2;

IT	1
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Select dept from emp groupby dept having count(*) 22;

>>> IT

② Name of emp having highest salary dept wise

Select max(salary) from emp;

>>> 50000

Select ~~st~~ max(salary) from emp groupby dept;

HR	30000
Mkt	40000
IT	50000

30000
40000
50000

Select ^{dept} name from emp where salary in

(Select max(salary) from emp groupby dept);

30000

no of values.

HR	Ashish
Mkt	Gautam
IT	

→ 102000