Assignment – 3

Retrieve data using Group By clause

* ***Creating Table tblEmployee***
* create table tblEmployee

(

emp\_id int primary key,

dept\_id int null,

mngr\_id int null,

emp\_name varchar(20) null,

salary int null

)

* ***Inserting data into tblEmployee table***
* insert into tblEmployee values

(68319,1001,null,'Kayling',6000),

(66928,3001,68319,'Blaze',2750),

(67832,1001,68319,'Clare',2550),

(65646,2001,68319,'Jonas',2957),

(67858,2001,65646,'Scarlet',3100),

(69062,2001,65646,'Frank',3100),

(63679,2001,69062,'Sandrine',900),

(64989,3001,66928,'Adelyn',1700),

(65271,3001,66928,'Wade',1350),

(66564,3001,66928,'Madden',1350),

(68454,3001,66928,'Tucker',1600),

(68736,2001,67858,'Adnres',1200),

(69000,3001,66928,'Julius',1050),

(69324,1001,67832,'Marker',1400)

* ***Creating Table tblDepartment***
* create table tblDepartment

(

dept\_id int primary key,

dept\_name varchar(20) null

)

* ***Inserting data into tblDepartment table***
* insert into tblDepartment values

(1001,'Finance'),

(2001,'Audit'),

(3001,'Marketing'),

(4001,'Production')

**1**. write a SQL query to find Employees who have the biggest salary in their Department

select dept\_name as Department, emp\_name as Employee, e.salary

from tblEmployee as e

join tblDepartment as d

on e.dept\_id = d.dept\_id

join

(

select max(salary) as salary, dept\_id

from tblEmployee

group by dept\_id

) as mx

on e.salary = mx.salary and e.dept\_id = mx.dept\_id

Graphical user interface, text, application, email

Description automatically generated

**2**. write a SQL query to find Departments that have greater than 3 people in it

select d.dept\_name , count(emp\_id) as Total\_Employee

from tblDepartment d

join tblEmployee e

on d.dept\_id = e.dept\_id

group by d.dept\_name

having count(emp\_id) > 3

Graphical user interface, text, application, email

Description automatically generated

**3**. write a SQL query to find All Department along with the number of people there

select dept\_name, count(emp\_id) as Total\_Employee

from tblDepartment d

left join tblEmployee e

on d.dept\_id = e.dept\_id

group by d.dept\_name

Graphical user interface, text, application, email

Description automatically generated

**4**. write a SQL query to find All Department along with the total salary there

select dept\_name, sum(salary) as Total\_Salary

from tblDepartment d

left join tblEmployee e

on d.dept\_id = e.dept\_id

group by d.dept\_name

Graphical user interface, text, application, email

Description automatically generated