SQL-Assignment-3

create table Department(

dept\_id int primary key identity(1,1),

dept\_name varchar(40) not null,

);

insert into Department(dept\_name) values('Finance');

insert into Department(dept\_name) values('Audit');

insert into Department(dept\_name) values('Marketing');

insert into Department(dept\_name) values('Production');

insert into Department(dept\_name) values('HR');

insert into Department(dept\_name) values('Developer');

select \* from Employee;

create table Employee(

emp\_id int primary key identity(1,1),

dept\_id int,

mngr\_id int,

emp\_name varchar(40) not null,

salary int

);

insert into Employee (dept\_id,mngr\_id,emp\_name,salary) values(4,2,'Pit Alex',50000);

insert into Employee (dept\_id,mngr\_id,emp\_name,salary) values(5,1,'Lauson Hen',35500);

insert into Employee (dept\_id,mngr\_id,emp\_name,salary) values(1,3,'Sam Karan',44900);

insert into Employee (dept\_id,mngr\_id,emp\_name,salary) values(6,5,'David Warner',80000);

insert into Employee (dept\_id,mngr\_id,emp\_name,salary) values(3,4,'James Hoog',51500);

insert into Employee (dept\_id,mngr\_id,emp\_name,salary) values(2,6,'Nick Rimando',33350);

insert into Employee (dept\_id,mngr\_id,emp\_name,salary) values(1,3,'Brad Davis',40000);

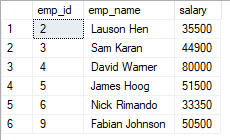
insert into Employee (dept\_id,mngr\_id,emp\_name,salary) values(2,6,'Graham Zusi',32500);

insert into Employee (dept\_id,mngr\_id,emp\_name,salary) values(4,2,'Fabian Johnson',50500);

insert into Employee (dept\_id,mngr\_id,emp\_name,salary) values(2,6,'Jozy Altidor',33300);

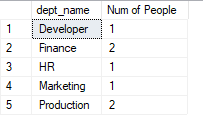
--1)write a SQL query to find Employees who have the biggest salary in their Department

select emp\_id,emp\_name,salary from Employee where salary in (select max(salary) as "salary" from Employee group by dept\_id);



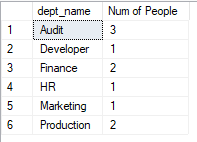
--2)write a SQL query to find Departments that have less than 3 people in it

select d.dept\_name,count(e.dept\_id) as "Num of People" from Employee e inner join Department d on e.dept\_id=d.dept\_id group by d.dept\_name having count(e.dept\_id)<3;



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

select d.dept\_name,count(e.dept\_id) as "Num of People" from Employee e inner join Department d on e.dept\_id=d.dept\_id group by d.dept\_name;



--4)write a SQL query to find All Department along with the total salary there

select d.dept\_name,count(e.dept\_id) as "Num of People",sum(e.salary) as "total Salary" from Employee e inner join Department d on e.dept\_id=d.dept\_id group by d.dept\_name;

