**MY SQL-Assignment**

**use db;**

create table employees(emp\_id int,first\_name varchar(30),last\_name varchar(30),email varchar(50),phone\_number int,

hire\_date date,salary int,dept\_id int primary key auto\_increment,job\_title varchar(30));

desc department;

select\*from employees;

create table department(dept\_id int auto\_increment,dept\_name varchar(30),foreign key(dept\_id) references employees(dept\_id));

insert into employees(emp\_id,first\_name,last\_name,email,phone\_number,hire\_date,salary,job\_title)

values(201,'sandhya','kohli','pn\_gmail',123,"2022-04-01",45000,'programmer');

insert into employees(emp\_id,first\_name,last\_name,email,phone\_number,hire\_date,salary,job\_title)

values(202,'akanksha','kaushik','ak\_gmail',456,"2022-04-01",40000,'programmer'),(203,'rohit','desavale','rd\_gmail',789,"2022-05-01",50000,'hr'),

(204,'mayuresh','khatavkar','mk\_gmail',987,"2022-04-01",42000,'programmer'),(205,'rahul','sharma','rs\_gmail',654,"2022-05-01",55000,'hr'),

(206,'tejaswini','marathe','tm\_gmail',321,"2022-07-01",40000,'programmer'),(207,'pratik','agle','pa\_gmail',789,"2022-09-01",45000,'hr'),

(208,'masood','ahmed','ma\_gmail',754,"2022-04-01",42000,'programmer'),(209,'suyash','sharma','ss\_gmail',856,"2022-05-01",46000,'hr'),

(210,'amol','belkar','ab\_gmail',451,"2022-04-01",38000,'hr'),(211,'nikhil','jogalpure','nj\_gmail',120,"2022-07-01",46000,'admin'),

(212,'sumit','kumar','sk\_gmail',357,"2022-02-01",38000,'admin'),(213,'ashish','maddy','am\_gmail',852,"2022-10-01",31000,'admin'),

(214,'prabhjot','singh','ps\_gmail',963,"2022-04-01",41000,'admin'),(215,'bicky','paswan','bp\_gmail',410,"2022-05-01",47000,'admin');

insert into department (dept\_name) values ('IT'),('IT'),('human\_resources'),('IT'),('human\_resources'),('IT'),('human\_resources'),('IT'),('human\_resources'),

('human\_resources'),('administration'),('administration'),('administration'),('administration'),('administration');

insert into employees(emp\_id,first\_name,last\_name,email,phone\_number,hire\_date,salary,job\_title)

values(101, "priyanka", "kulkarni", "p.k@gmail.com","12345","1999-08-21","20000", "Programmer");

insert into employees(emp\_id,first\_name,last\_name,email,phone\_number,hire\_date,salary,job\_title)

values(102, "shree", "shinde", "s.s@gmail.com","23451","1999-08-21","30000", "Programmer"),

(103, "rahul", "gehlot", "r.g@gmail.com","32451","1999-08-21","40000", "Programmer"),

(104, "sachit", "claire", "s.c@gmail.com","35241","1999-08-21","50000", "Programmer"),

(105, "yuvraj", "rajawat", "y.r@gmail.com","43251","1999-08-21","60000", "Programmer"),

(106, "shubha", "panda", "s.p@gmail.com","45678","1999-08-21","30000", "admin"),

(107, "raksha", "roop", "r.r@gmail.com","54678","1999-08-21","90000", "admin"),

(108, "shreya", "agrawal", "s.a@gmail.com","65478","1999-08-21","60000", "admin"),

(109, "neha", "sharma", "n.a@gmail.com","76548","1999-08-21","50000", "admin"),

(110, "prateek", "aryan", "p.a@gmail.com","34678","1999-08-21","40000", "admin"),

(111, "mayank", "wali", "m.w@gmail.com","98076","1999-08-21","70000", "hr"),

(112, "akash", "saha", "a.s@gmail.com","97676","1999-08-21","40000", "hr"),

(113, "harsh", "patil", "h.p@gmail.com","94526","1999-08-21","30000", "hr"),

(114, "phil", "dunphy", "p.d@gmail.com","45376","1999-08-21","50000", "hr"),

(115, "chandler", "bing", "c.b@gmail.com","54576","1999-08-21","40000", "hr");

insert into department (dept\_name) values("IT"),("IT"),("IT"),("IT"),("IT"),

("administration"),("administration"),("administration"),("administration"),("administration"),

("human\_resources"),("human\_resources"),("human\_resources"),("human\_resources"),("human\_resources");

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**Query 1**🡪 select first\_name,last\_name,dept\_id from employees;

**Query 2** 🡪select dept\_name as 'Department Name',

count(\*) as 'No of Employees'

from department

inner join employees

on employees.dept\_id = department.dept\_id

group by employees.job\_title, dept\_name

ORDER BY dept\_name;

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**Query 3** 🡪 select dept\_name as 'Department Name',

avg(salary) as 'Average salary of Employees'

from department

inner join employees

on employees.dept\_id = department.dept\_id

group by employees.job\_title, dept\_name

ORDER BY dept\_name;

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**Query 4** 🡪 select max(salary) from employees where job\_title="programmer";

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**Query 5** 🡪 select avg(salary) as 'average salary',count(\*) as 'number of employees' from employees where emp\_id=90;

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**Query 6**🡪 select job\_title as 'Job Title',

count(\*) as 'No of Employees'

from employees

group by employees.job\_title

**Query 7** 🡪 select max(salary) - min(salary) diffrence from employees;

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**Query 8** 🡪select job\_title,avg(salary) from employees group by job\_title having job\_title!="programmer";

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**Query 9** 🡪select job\_title,avg(salary),count(\*) from employees group by job\_title having count(\*)>10;