

Sql Assignment:

Creating table:

```
>> create table Employee_Table(emp_id varchar(10) primary key, name  
varchar(30) NOT NULL, immediate_head_id varchar(10), insurance_id  
varchar(20), employee_info varchar(20));
```

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>> create table Department_Table(dept_id varchar(10) primary key, dept_name  
varchar(20));
```

```
>> create table Insurance_Table(insurance_id varchar(10) primary key,  
insurance_name varchar(20));
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>> create table Office_Table(office_id varchar(10) primary key, office_name  
varchar(20), place varchar(20));
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```
>> create table Employee_Office_Table(id varchar(10) primary key, emp_id  
varchar(10), office_id varchar(10));
```

```
>> create table Employee_Info_Table(id varchar(10) primary key, DOJ  
DATE, salay varchar(20));
```

Queries:

```
1) select t1.name, t2.dept_name, t3.insurance_name from Employee_Table t1  
join Department_Table t2 on t1.dept_id=t2.dept_id join Insurance_Table t3 on  
t1.insurance_id=t3.insurance_id;
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2) select t1.name, t3.place from Employee_Table t1 join  
Employee_office_Table t2 on t1.emp_id=t2.emp_id join Office_Table t3 on  
t2.office_id=t3.office_id where t3.place="Madhapur";
```

3) select count(t1.name) as Number, t3.place from Employee_Table t1 join Employee_office_Table t2 on t1.emp_id=t2.emp_id join Office_Table t3 on t2.office_id=t3.office_id group by t3.place;

4) SELECT t1.name, t2.insurance_name, t4.salary FROM Employee_Table t1 join Insurance_Table t2 on t1.insurance_id=t2.insurance_id join Employee_office_Table t3 on t1.emp_id=t3.emp_id join Employee_Info_Table t4 on t3.id=t4.id ORDER BY t4.salary DESC LIMIT 1 OFFSET 2;

5) select AVG(t5.salary), t2.dept_name from Employee_Table t1 join Department_Table t2 on t1.dept_id=t2.dept_id join Employee_office_Table t3 on t1.emp_id=t3.emp_id join Office_Table t4 on t3.office_id=t4.office_id join Employee_Info_Table t5 on t3.id=t5.id where t2.dept_name="Software" group by t2.dept_name;

6) select sum(t5.salary) from Employee_Table t1 join Department_Table t2 on t1.dept_id=t2.dept_id join Employee_office_Table t3 on t1.emp_id=t3.emp_id join Office_Table t4 on t3.office_id=t4.office_id join Employee_Info_Table t5 on t3.id=t5.id where t5.doj>"2022-01-30" and t4.place="Madhapur";

7) select t1.name, t2.dept_name from Employee_Table t1 join Department_Table t2 on t1.dept_id=t2.dept_id join Employee_office_Table t3 on t1.emp_id=t3.emp_id join Office_Table t4 on t3.office_id=t4.office_id join Employee_Info_Table t5 on t3.id=t5.id join Insurance_Table t6 on t1.insurance_id=t6.insurance_id where t5.doj>2022-01-30 and t5.salary>10000 and t4.place="Madhapur" and (t6.insurance_name like 'LIC%' or t6.insurance_name like 'ICICI') ;

8) select t1.name as Employee,t2.name as Head from Employee_Table t1 join Employee_Table t2 where t1.immediate_head_id=t2.emp_id;

9) select t1.name as Employee,t4.dept_name as Employee_Dept, t2.name as Head, t3.dept_name as Immediate_Head_Dept from Employee_Table t1 join Employee_Table t2 on t1.immediate_head_id=t2.emp_id join Department_Table t3 on t2.dept_id=t3.dept_id join Department_Table t4 on t1.dept_id=t4.dept_id;

10) select t1.name from Employee_Table t1 join Employee_Table t2 on t1.immediate_head_id=t2.emp_id join Employee_office_Table t3 on t1.emp_id=t3.emp_id join Office_Table t4 on t3.office_id=t4.office_id join Employee_Info_Table t5 on t3.id=t5.id join Employee_office_Table t6 on t2.emp_id=t6.emp_id join Office_Table t7 on t6.office_id=t7.office_id join

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Employee_Info_Table t8 on t6.id=t8.id where t7.place="Madhapur" and  
t5.salary<(2*t8.salary);
```