Mysql 学习笔记 task4

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*【项目】七：

各部门工资最高的员工（难度：中等）

创建 Employee 表，包含所有员工信息，每个员工有其对应的 Id, salary 和 department Id。

```
+----+-------+--------+--------------+
| Id | Name  | Salary | DepartmentId |
+----+-------+--------+--------------+
| 1  | Joe   | 70000  | 1            |
| 2  | Henry | 80000  | 2            |
| 3  | Sam   | 60000  | 2            |
| 4  | Max   | 90000  | 1            |
+----+-------+--------+--------------+
```

创建 Department 表，包含公司所有部门的信息。

```
+----+----------+
| Id | Name     |
+----+----------+
| 1  | IT       |
| 2  | Sales    |
+----+----------+
```

创建表：
> CREATE TABLE Employee(
Id int AUTO_INCREMENT,
Name varchar(20) NOT NULL,
Salary VARCHAR(20) NOT NULL,
DepartmentId int not null,
PRIMARY KEY(Id)
)engine = InnoDB DEFAULT CHARSET=UTF8;

CREATE TABLE Department(
Id int AUTO_INCREMENT,
Name varchar(20),
PRIMARY KEY(Id)
)engine = InnoDB DEFAULT CHARSET = UTF8;

>insert into Employee (Name,Salary,DepartmentId)
values
('Joe',70000,1),
('Henry',80000,2),
('Sam',60000,2),
('Max',90000,1);

insert into Department(Name)

values ('IT'),
　　('Sales');

查询语句：

> select Department.Name ,Employee.Name,max(Employee.Salary) as Salary from Employee,Department where Employee.DepartmentId=Department.Id group by Emploee.DepartmentId;

结果：
>
+-------+-------+--------+
| Name | Name | Salary |
+-------+-------+--------+
| IT | Joe | 90000 |
| Sales | Henry | 80000 |
+-------+-------+--------+