

学号	姓名	提交时间	总分	成绩
-	李叙醇	2023-04-17 14:14:48	100	100

1. 【简答题】

得分 : 100/100

部门表dept

```
(  
  
    deptno—部门号, deptname—部门名称  
  
)
```

员工表emp

```
(  
  
    empno—员工号, empname—姓名, age—年龄, deptno—部门号,  
  
    sex—性别, salary—薪水, indate—入职日期, phone手机号  
  
)
```

- 1.创建部门表， deptno—部门号是主键， 部门名称不能为空。 **15分**
- 2.创建员工表， deptno—部门号是外键， phone手机号不能为空 且唯一， 员工号是主键且自增1。 **25分**
- 3.向二张表中添加数据， 员工号不用填写信息采用自增。 **10分**
- 4.查询员工在30-40岁之间的员工姓名和薪水信息。 **5分**
- 5.查找员工名字中第二个字母是t的员工姓名及年龄。 **5分**
- 6.查找工资大于2000的男员工姓名和员工号。 **5分**
- 7.查询员工信息， 如果手机号为null就显示没添加号码， 不为null就正常显示。 **5分**
- 9.去重名查询出所有员工的姓名信息。 **5分**
- 10.查询出员工表中工资是300, 400, 500, 600的员工姓名和手机号信息。 **5分**
- 11.查询出没有得到工资的员工的所有信息。 **5分**

12.查询出姓名是“张”开头的,且年龄>20的,有奖字金的员工姓名和手机号。 5分

13.查询员工姓名中不带R的,且年龄不等于12的女员工的手机号。 5分

14.查询部门号是100,年龄不在20到30之间的员工的姓名。 5分

学生答案 : create table dept(
deptno int primary key,
deptname varchar(20) not null
)

```
insert into dept values(1001,'计算机技术')  
insert into dept values(1002,'大数据技术')  
insert into dept values(1003,'数字媒体技术')  
insert into dept values(1004,'MOD')
```

```
create table emp(  
empno int unique not null auto_increment,  
empname varchar(20),  
age int,  
deptno int not null unique,  
sex varchar(3),  
salary int,  
indate datetime,  
phone varchar(20) unique not null,  
constraint aa foreign key (deptno) references dept(deptno)  
)  
insert into emp values(0,'lucy',20,1001,'女',3000,'2000-11-24','13404347907')  
insert into emp values(0,'lili',20,1002,'女',2500,'2000-11-25','13404347997')  
insert into emp values(0,'wick',35,1003,'男',5000,'1995-03-04','1707989293')  
insert into emp values(0,'tt',49,1004,'男',4500,'2000_04_05','18643008036')  
select empname,salary from emp where age between 30 and 40  
select empname,age from emp where empname like '_t'
```

```
select empname,empno from emp where salary>2000 and sex='男'  
select * ,ifnull(phone,'没添加电话号码') from emp
```

```
select distinct empname from emp
```

```
select empname , phone from emp where salary in (2300,400,500,600)
```

```
select * from emp where salary is null
```

```
select empname, phone from emp where empname like '张%' and age>20 and salary is not null
```

```
select phone from emp where empname not like '张%' and age!=12 and sex='女'  
select empname from emp where deptno=100 and age not between 20 and 30
```

Untitled - Query - Navicat Premium

File Edit View Query Format Favorites Tools Window Help

Connection New Query Table View Function User Others Query Backup Automation Model Charts

Objects: Untitled - Query teacher1 @1001 (Line) - Query studenthomework @1001 (Line) - Table emp @1001 (Line) - Table dept @1001 (Line) - Table

```

1 create table dept
2 (deptno int primary key,
3 deptname varchar(30) not null
4 )
5
6
7
8 insert into dept values(1001,'计算机技术')
9 insert into dept values(1002,'大数据技术')
10 insert into dept values(1003,'云计算技术')
11 insert into dept values(1004,'MOOC')
12
13 create table emp(
14 empno int unique not null auto_increment,
15 empname varchar(20),
16 age int
17 deptno int not null unique,
18 sex varchar(3),
19 salary int,
20 indate date(4),
21 phone varchar(20) unique not null,
22 constraint aa foreign key (deptno) references dept(deptno)
23 )
24 insert into emp values(0,'lucy','201901','女','3000','2000-11-24','13404345')
25 insert into emp values(0,'lili','191001','男','2500','2000-11-25','13404345')
26 insert into emp values(0,'lixi','151003','男','5000','1995-03-04','1707989293')
27 insert into emp values(0,'li','151004','男','4500','2000-04-05','18643008')
28 select empname,salary from emp where age between 30 and 40
29
30 select empname,empno from emp where salary>3000 and sex='女'
31 select * from emp where deptno=1001
32
33 select distinct empname from emp
34
35 select empname , phone from emp where salary in (3000,4000,5000,6000)
36
37 select * from emp where salary is null
38
39 select empname, phone from emp where empname like 'li%' and age>30 and salary is not null
40
41 select phone from emp where empname not like 'li%' and age<12 and sex='女'
42
43 select empname from emp where deptno=100 and age not between 20 and 30

```

Message: Result 1 Profile Status

empname

emp @1001 (Line) - Table - Navicat Premium

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Connection New Query Table View Function User Others Query Backup Automation Model Charts

Objects: Untitled - Query teacher1 @1001 (Line) - Query studenthomework @1001 (Line) - Table emp @1001 (Line) - Table

```

1 Begin Transaction
2 empno empname age deptno sex salary indate phone
3 1 lucy 20 1001 女 3000 2000-11-13404345
4 2 lili 20 1002 女 2500 2000-11-13404345
5 3 lixi 35 1003 男 5000 1995-03-1707989293
6 4 li 49 1004 男 4500 2000-04-18643008

```

emp Table

Rows: 0

Engine: InnoDB

Auto Increment: 0

Row Format: Dynamic

Modified Date: --

Created Date: 2023-04-17 13:24:00

Check Time: --

Index Length: 32.00 KB (32,768)

Data Length: 16.00 KB (16,384)

Max Data Length: 0 bytes (0)

Data Free: 0 bytes (0)

Collation: utf8mb3_general_ci

Create Options: --

Comment: --

dept @1001 (Line) - Table - Navicat Premium

File Edit View Table Favorites Tools Window Help

Connection New Query Table View Function User Others Query Backup Automation Model Charts

Objects: Untitled - Query teacher1 @1001 (Line) - Query studenthomework @1001 (Line) - Table emp @1001 (Line) - Table dept @1001 (Line) - Table

```

1 Begin Transaction
2 deptno deptname
3 1001 计算机技术
4 1002 大数据技术
5 1003 云计算技术
6 1004 MOOC

```

dept Table

Rows: 0

Engine: InnoDB

Auto Increment: 0

Row Format: Dynamic

Modified Date: --

Created Date: 2023-04-17 13:10:59

Check Time: --

Index Length: 0 bytes (0)

Data Length: 16.00 KB (16,384)

Max Data Length: 0 bytes (0)

Data Free: 0 bytes (0)

Collation: utf8mb3_general_ci

Create Options: --

Comment: --

参考答案：创建表及查询