

学号	姓名	提交时间	总分	成绩
-	刘健伟	2023-05-30 13:23:07	100	85

1. 【简答题】用视图完成下列需求：

得分：85/100



- 1.创建视图stu_view, 显示所有部门名称, 学生名称和工资
- 2.创建视图 stupaixu_view, 显示出每个部门的学生数量, 总工资与平均工资, 平均工资小于500的不显示, 并按平均工资倒序排序
- 3.创建视图maxsal_view, 显示出工资最多的前10名同学的姓名和部门及工资
- 4.创建视图minal_view, 显示工资出正序的前5-10条信息

学生答案：CREATE VIEW stu_view AS

```
SELECT b.bname, s.sname, s.qian AS salary
FROM students s
JOIN bids b ON s.bid = b.bid;
```

CREATE VIEW stupaixu_view AS

```
SELECT b.bname, COUNT(s.sid) AS student_count, SUM(s.qian) AS total_salary, AVG(s.qian) AS average_salary
FROM students s
JOIN bids b ON s.bid = b.bid
GROUP BY b.bname
HAVING average_salary < 500
ORDER BY average_salary DESC;
```

CREATE VIEW maxsal_view AS

```
SELECT s.sname, b.bname, s.qian AS salary
FROM students s
JOIN bids b ON s.bid = b.bid
ORDER BY s.qian DESC
LIMIT 10;
```

CREATE VIEW minal_view AS

```
SELECT s.sname, b.bname, s.qian AS salary
FROM students s
JOIN bids b ON s.bid = b.bid
ORDER BY s.qian ASC
LIMIT 5 OFFSET 4;
```

参考答案：用视图完成下列需求