1.a.查询每个年级学生的总数量 (grade, studentCnt)

SELECT grade, COUNT(sid) AS studentCnt FROM student

GROUP BY grade

1.b.查询学生“Sara”的所有课程和得分(courseId, courseName, score)

SELECT `select`.cid AS courseId, course.`name` AS courseName, `select`.score AS score

FROM course, `select`, student

WHERE student.`name`= 'Sara' AND student.sid=`select`.sid AND `select`.cid=course.cid

1.c.查询2013级学生的总分排名，并按照总分降序排序（考虑重修以最新成绩为准）(studentId, studentName, totalScore)

SELECT personalScore.studentId, student.`name` AS studentName, SUM(personalScore.score) AS totalScore From student,

(SELECT `select`.sid AS studentId, `select`.cid, `select`.score AS score, MAX(`select`.year) FROM `select`

GROUP BY `select`.sid,`select`.cid) AS personalScore

WHERE student.sid = personalScore.studentId AND student. grade='2013'

GROUP BY personalScore.studentId

ORDER BY totalScore DESC

1.d.查询2013级学生所有课程成绩均为优秀的学生列表 (studentId, studentName)

SELECT personLeast.studentId, student.`name` AS studentName FROM student,

(SELECT `select`.sid AS studentId, MIN(`select`.score) as least FROM `select`

GROUP BY `select`.sid) AS personLeast

WHERE personLeast.least >= 90 AND personLeast.studentId = student.sid

1.e.查询2015年选择课程“离散数学”的学生的姓名及成绩，先按课程号排序，再分课程按成绩降序排序

1.f.查询2015年各课程最高分的学生及得分(courseId, courseName, studentId, studentName, score)

1.g.查询2015年所有课程和各自的选课人数(courseId, courseName, studentId, studentName, score)

1.h.查询2015年不及格人数最多的课程名称及挂科人数(courseId, courseName, failedCnt)

1.i.查询各年课程号为233的平均分，按照选课时间从后向前排序(year, avgScore)

1.j.查询老师“Steven”教授的所有课程的合格率(courseId, courseName, passRate)

1.k.查询在2015年同时选择“离散数学”和“微积分”两门课程的学生姓名列表

1.l.查询在2015年选课数量大于3门的学生姓名列表和选课数量(studentId, studentName, selectCnt)