【1】

SELECT

sc1.score,sc1.CId,

sc2.score,sc2.CId,

student.\*

FROM

(SELECT

\*

FROM

sc

WHERE CId = '01') AS sc1,

(SELECT

\*

FROM

sc

WHERE CId = '02') AS sc2,

student

WHERE sc1.score > sc2.score

AND sc1.SId = sc2.SId = student.SId ;

【1.1】

SELECT

\*

FROM

(SELECT

SId,score

FROM

sc

WHERE CId = '01') AS sc1,

(SELECT

SId,score

FROM

sc

WHERE Cid = '02') AS sc2

WHERE sc1.SId = sc2.SId ;

【1.2】

SELECT

\*

FROM

(SELECT

\*

FROM

sc

WHERE CId = '01') AS sc1

LEFT JOIN

(SELECT

\*

FROM

sc

WHERE CId = '02') AS sc2

ON sc1.SId = sc2.SId;

【1.3】

SELECT

\*

FROM

sc

WHERE CId = '02'

AND SId NOT IN

(SELECT

SId

FROM

sc

WHERE CId = '01') ;

【2】

SELECT \* FROM

(SELECT

SId,

AVG(score) AS avg\_score

FROM

sc

GROUP BY SId HAVING avg\_score>=60) AS sc1

LEFT JOIN student

ON sc1.SId = student.SId;

【3】

SELECT DISTINCT student.\*

FROM student ,sc

WHERE student.SId=sc.Sid;

【4】

SELECT

student.\*,IFNULL(sc1.course\_count,0) AS course\_count,IFNULL(score\_sum,0) AS score\_sum

FROM

student

LEFT JOIN

(SELECT

SId,

COUNT(\*) AS course\_count,

SUM(score) AS score\_sum

FROM

sc

GROUP BY SId) AS sc1

ON student.SId = sc1.SID ;

【4.1】

SELECT

student.\*,IFNULL(sc1.course\_count,0) AS course\_count,IFNULL(score\_sum,0) AS score\_sum

FROM

student

RIGHT JOIN

(SELECT

SId,

COUNT(\*) AS course\_count,

SUM(score) AS score\_sum

FROM

sc

GROUP BY SId) AS sc1

ON student.SId = sc1.SID ;

【5】

SELECT

COUNT(\*) AS COUNT

FROM

teacher

WHERE Tname LIKE '李%' ;

【6】

SELECT

student.\*

FROM

student

RIGHT JOIN

(SELECT

sc.\*

FROM

sc

RIGHT JOIN

(SELECT

course.\*

FROM

course

RIGHT JOIN

(SELECT

\*

FROM

teacher

WHERE Tname = '张三') AS teacher1

ON course.TId = teacher1.TId) AS course2

ON sc.CId = course2.CId) AS sc2

ON student.SId = sc2.SId ;

【7】

SELECT

student.\*

FROM

sc

RIGHT JOIN student

ON sc.SId = student.SId

GROUP BY student.SId

HAVING SId IS NULL

OR COUNT(\*) < (SELECT COUNT(\*) FROM course) ;

【8】

SELECT

DISTINCT student.\*

FROM

student

RIGHT JOIN

(SELECT

sc.\*

FROM

sc

RIGHT JOIN

(SELECT

\*

FROM

sc

WHERE SId = 01) AS sc1

ON sc.CId = sc1.CId) AS sc2

ON student.SID = sc2.SId;