## Exercise 3

## 1. SELECT DISTINCT sname

**FROM Students** 

INNER JOIN Registration ON Students.sid=Registration.sid AND Courses.cid=Registration.cid

WHERE Courses.cid=107 AND percent>90

RA:

δ

 $\pi_{\text{sname}}$ 

 $\sigma_{courses . cid} = 107 \text{ AND percent} > 90 (students \bowtie_{students . sid} = registration . sid)$ 

AND courses . cid = registration . cid registration)

## 2. SELECT COUNT(sid)

**FROM Students** 

INNER JOIN Registration ON Students.sid=Registration.sid AND Courses.cid=Registration.cid

WHERE Courses.cid=Registration.cid AND percent>=75

RA:

 $\pi_{\,\text{COUNT (sid)}}$ 

 $m{\gamma}$  COUNT (sid)

 $\sigma_{\text{courses}}$  . cid = registration . cid AND percent >= 75 (students  $\bowtie_{\text{students}}$  . sid = registration . sid AND courses . cid = registration . cid registration)

## 3. SELECT \*

FROM Students
INNER JOIN Registration ON Students.sid=Registration.sid AND
Courses.cid=Registration.cid
WHERE COUNT(sid)<=2

RA:

σ<sub>COUNT (sid)</sub> <= 2 (students ⋈ students ⋅ sid = registration ⋅ sid AND courses ⋅ cid = registration ⋅ cid registration)