

3.1.

- a. **update** instructor
 set salary = salary + salary * 0.1
 where dept_name = 'Comp. Sci.'
- b. **delete from** course
 where course_id **not in**
 (**select** course_id **from** section)
- c. **insert into** instructor
 select ID, name, dept_name, 10000
 from student **where** tot_cred > 100
- d. **select** ID, name,
 count(course_id,section_id,year,semester) **as** 'Number of
sections'
 from instructor **natural left outer join** teaches
 group by ID, name
- e. **select** ID, name,
 (**select count**(*) **as** 'Number of sections'
 from teaches T **where** T.id = I.id)
 from instructor I
- f. **select** dept_name, **count**(ID)
 from department **natural left outer join** instructor
 group by dept name
- g. **insert into** course **values**('CS-001','Weekly Seminar','Comp.
Sci.','0');
- h. **insert into** section (course_id,sec_id,semester,year) **values**
('CS-001','1','Fall','2017');
- i. **insert into** takes
 select ID ,CS-001 , 1,Fall,2017
 from student **where** dept_name = 'Comp. Sci.'
- j. **delete from** takes
 select ID
 from student **where** name = 'Chavez'

3.2.

- a. **select count (distinct name)**
from accident, participated, person
where accident.report_number = participated.report_number
and participated.driver_id = person.driver_id
and date **between** date '1989-00-00' **and** date '1989-12-31'
- b. **insert into** accident
 values (56789, '2003-02-16', 'new delhi')
insert into participated
 select o.driver-id, c.license, 4007, 3000
 from person p, owns o, car c
 where p.name = 'David' **and** p.driver_id = o.driver_id **and**
 o.license = c.license **and** c.model = 'Range Rover'
- c. **delete** car
 where model = 'Mazda' **and** license **in**
 (**select** license
 from person p, owns o
 where p.name = 'John Smith' **and** p.driver-id = o.driver-id)
- d. **update** participated
 set damage_amount = 3000
 where report_number = "AR2197" **and** driver-id **in**
 (**select** driver-id
 from owns
 where license = "AABB2000")