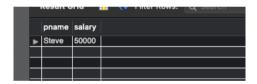#4.1
SELECT DISTINCT Course.cid,title,dept_name,CONCAT(semester,'/',year) AS semester FROM
Course JOIN Section ON Course.cid = Section.cid WHERE year='2015' AND semester='2';
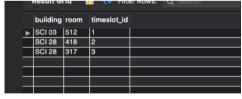
cid	title	dept_name	semester
201002	Database Systems	Computer Engineering	2/2015
301001	Software Engineering	Computer Engineering	2/2015

#4.2
SELECT DISTINCT Professor.pid,pname FROM Professor JOIN Teaches
ON Professor.pid=Teaches.pid AND semester='summer' AND year='2015';
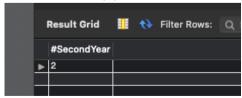
pid	pname
003	William

#4.3
SELECT pname,salary FROM Professor WHERE salary=(SELECT MAX(salary) FROM Professor);
#OR
SELECT pname,salary FROM Professor ORDER BY salary DESC LIMIT 1;

pname	salary
Steve	50000

#4.4
SELECT building,room,timeslot_id FROM Section JOIN Course
WHERE Course.cid=Section.cid AND semester='1' AND year='2015';

building	room	timeslot_id
SCI 03	512	1
SCI 28	418	2
SCI 28	317	3

#4.5
SELECT COUNT(*) AS '#SecondYear' FROM Student WHERE year='2';

#SecondYear
2

#5
CREATE TABLE NoStudent SELECT * FROM Teaches WHERE 1=2;

INSERT INTO NoStudent SELECT
Teaches.pid,Teaches.cid,Teaches.sect_id,Teaches.semester,Teaches.year FROM Teaches
LEFT JOIN Takes ON Teaches.cid=Takes.cid AND Teaches.sect_id=Takes.sect_id AND
Teaches.semester=Takes.semester
AND Teaches.year=Takes.year WHERE student_id IS NULL;

SELECT * FROM NoStudent;

pid	cid	sect_id	semester	year
003	201001	2	summer	2015
005	301001	1	2	2015

DELETE t FROM Teaches t JOIN NoStudent n ON t.pid=n.pid AND t.cid=n.cid AND
t.sect_id=n.sect_id
AND t.semester=n.semester AND t.year=n.year;

DROP TABLE NoStudent;

SELECT * FROM Teaches

pid	cid	sect_id	semester	year
001	101001	1	1	2015
002	101002	1	1	2015
002	101002	2	1	2015
003	201001	1	summer	2015
003	201001	3	summer	2015
004	201002	1	2	2015
005	301001	2	2	2015