#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';

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#4.2

SELECT DISTINCT Professor.pid,pname FROM Professor JOIN Teaches

ON Professor.pid=Teaches.pid AND semester='summer' AND year='2015';

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#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;

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#4.4

SELECT building,room,timeslot\_id FROM Section JOIN Course

WHERE Course.cid=Section.cid AND semester='1' AND year='2015';

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#4.5

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

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#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;

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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

