

(1)	<pre> select title from course where dept_name = 'Comp. Sci.' and credits = 3; </pre> <pre> +-----+ title +-----+ Robotics Image Processing Database System Concepts +-----+ 3 rows in set (0.00 sec) </pre>
(2)	<pre> select takes.ID from instructor, takes, teaches where takes.course_id = teaches.course_id and takes.year = teaches.year and takes.semester = teaches.semester and takes.sec_id = teaches.sec_id and teaches.ID = instructor.ID and instructor.name = 'Einstein' </pre> <pre> +-----+ ID +-----+ 44553 +-----+ 1 row in set (0.00 sec) </pre>
(3)	<pre> select distinct max(salary) as salary from instructor; </pre> <pre> +-----+ salary +-----+ 95000.00 +-----+ 1 row in set (0.00 sec) </pre>
(4)	<pre> select dept_name, max(salary) as max_salary from instructor group by dept_name; </pre>

	<pre> +-----+-----+ dept_name max_salary +-----+-----+ Biology 72000.00 Comp. Sci. 92000.00 Elec. Eng. 80000.00 Finance 90000.00 History 62000.00 Music 40000.00 Physics 95000.00 +-----+-----+ 7 rows in set (0.00 sec) </pre>
(5)	<pre> select course_id, count(distinct ID) as count from takes where year=2009 and semester='Fall' group by course_id; </pre> <pre> +-----+-----+ course_id count +-----+-----+ CS-101 6 CS-347 2 PHY-101 1 +-----+-----+ 3 rows in set (0.00 sec) </pre>
(6)	<pre> select course_id, count(distinct ID) as count from takes where year=2009 and semester='Fall' group by course_id order by count desc limit 1 ; </pre> <pre> +-----+-----+ course_id count +-----+-----+ CS-101 6 +-----+-----+ 1 row in set (0.00 sec) </pre>
(7)	<pre> select distinct(ID) from instructor where ID not in (select distinct(ID) from teaches); </pre>

	<pre> +-----+ ID +-----+ 76543 58583 33456 +-----+ 3 rows in set (0.00 sec) </pre>	
(8)	<p> select name, salary from instructor where salary >= all (select salary from instructor); </p> <pre> +-----+-----+ name salary +-----+-----+ Einstein 95000.00 +-----+-----+ 1 row in set (0.00 sec) </pre>	
(9)	<p> Select course_id ,max(count) from (select count(distinct ID) as count, course_id from takes where year=2009 and semester='Fall' group by course_id, sec_id) as new; </p> <pre> +-----+-----+ course_id max(count) +-----+-----+ CS-101 6 +-----+-----+ 1 row in set (0.00 sec) </pre>	