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Assignment 5
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1.
SELECT round(avg(cost),2) as "Average Cost"
FROM course;

2.
SELECT COUNT(*) AS "January Registration"
FROM Student
WHERE Registration_date > To_Date('01/01/2007','MM/DD/YYYY')
AND Registration_date < To_Date('02/01/2007', 'MM/DD/YYYY');

3.
SELECT avg(numeric_grade) as AVERAGE, max(numeric_grade) as HIGHEST,
MIN(numeric_grade) as LOWEST
from grade
where grade_type_code = 'FI'
and section_id = 94;

4.
SELECT CITY, STATE, COUNT(*) AS ZIPCODES
from zipcode
group by city,state
having count(*) >= 2
order by zipcodes desc,city desc,state;
5.
select section_id, enroll_date as "Date", count(*) as ENROLLED
from enrollment
where TO_CHAR(enroll_date, 'MM/DD/YYYY') = '02/11/2007'
group by section_id, enroll_date
order by enrolled desc, section_id;

6.
select s.student_id, s.first_name, s.last_name,
to_char(AVG(g.numeric_grade), '99.9999') as AVGGRADE
from grade g
inner join enrollment e
on g.student_id = e.student_id
and g.section_id = e.section_id
inner join student s
on e.student_id = s.student_id
WHERE g.section_id = 116
group by s.student_id,s.first_name, s.last_name
order by AVGGRADE desc, s.student_id;

7.
select s.student_id, first_name, last_name, count(*) as sections
from student s
inner join enrollment e
on s.student_id = e.student_id
group by s.student_id, first_name,last_name
having count(*) >= 3
order by sections desc, last_name, first_name;
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8.
select section_id, min(numeric_grade) as LOWSCORE
from grade
where grade_type_code = 'QZ'
group by section_id
having min(numeric_grade) > 85
order by lowscore desc, section_id;

9.
SELECT employer, COUNT(*) AS EMPLOYEES
FROM student
GROUP BY employer
HAVING COUNT(*) = 4
ORDER BY employer;

10.
SELECT s.section_id, s.course_no, COUNT(*) AS PARTICIPATION_GRADES,
MIN(numeric_grade) AS LOWEST_GRADE
FROM section s
INNER JOIN enrollment e
ON s.section_id = e.section_id
INNER JOIN grade g
ON e.student_id = g.student_id
AND e.section_id = g.section_id
WHERE grade_type_code = 'PA'
GROUP BY s.section_id, s.course_no
HAVING COUNT(*)>12
ORDER BY section_id;
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