## Activity

1. Display the student id, course number, and section number of enrolled students where the instructor of the section lives in zip code 10025. Also, the course should not have any pre-requisites.

**SELECT** ENROLLMENT\_INFO.ENROLLMENT\_DATE, ENROLLMENT\_INFO.STUDENT\_ID, SECTION\_INFO.COURSE\_NO, SECTION\_INFO.SECTION\_NO  
**FROM** SECTION\_INFO   
**INNER JOIN** ENROLLMENT\_INFO  
**ON** ENROLLMENT\_INFO.SECTION\_ID = SECTION\_INFO.SECTION\_ID  
**INNER JOIN** INSTRUCTOR\_INFO  
**ON** SECTION\_INFO.INSTRUCTOR\_ID = INSTRUCTOR\_INFO.INSTRUCTOR\_ID  
**INNER JOIN** COURSE\_INFO  
**ON** SECTION\_INFO.COURSE\_NO = COURSE\_INFO.COURSE\_NO   
**WHERE** COURSE\_INFO.COURSE\_PREREQUISITE **IS NULL AND** INSTRUCTOR\_INFO.ZIP\_CODE = 11432;

1. Display student\_id and number of courses in which they are enrolled. Those students who are enrolled in more than two courses should be displayed.

**SELECT** EN.STUDENT\_ID, *COUNT*(**S**.COURSE\_NO)  
**FROM** ENROLLMENT\_INFO EN  
**RIGHT OUTER JOIN** SECTION\_INFO **S  
ON** EN.SECTION\_ID = **S**.SECTION\_ID  
**GROUP BY** EN.STUDENT\_ID  
**HAVING** *COUNT*(**S**.COURSE\_NO) > 2;

1. Display the course\_no, description, and cost. Those records should be displayed whose cost is equal to the minimum cost.

**SELECT** COURSE\_NO, COST  
**FROM** COURSE\_INFO  
**WHERE** COST = (**SELECT** *MIN*(COST)  
**FROM** COURSE\_INFO);

1. Display the details of those instructors not teaching a section.

**SELECT** INS\_INFO.\*  
**FROM** INSTRUCTOR\_INFO INS\_INFO  
**WHERE** (INS\_INFO.INSTRUCTOR\_ID)   
**NOT IN** (**SELECT** INS.INSTRUCTOR\_ID  
**FROM** INSTRUCTOR\_INFO INS  
**INNER JOIN** SECTION\_INFO SEC  
**ON** INS.INSTRUCTOR\_ID = SEC.INSTRUCTOR\_ID);

1. Display the section id and numeric grade whose numeric grade is less than the average numeric grade of student id 280 or 283.

**SELECT** T1.STUDENT\_ID, T1.SECTION\_ID, T1.NUMERIC\_GRADE  
**FROM** GRADE\_INFO T1  
**WHERE** T1.NUMERIC\_GRADE <  
 (**SELECT** *AVG*(T2.NUMERIC\_GRADE )  
 **FROM** GRADE\_INFO T2  
 **WHERE** T2.STUDENT\_ID = 280  
 **GROUP BY** T2.STUDENT\_ID)  
 **OR** T1.NUMERIC\_GRADE < (**SELECT** *AVG*(T3.NUMERIC\_GRADE )  
 **FROM** GRADE\_INFO T3  
 **WHERE** T3.STUDENT\_ID = 283  
 **GROUP BY** T3.STUDENT\_ID);

1. Display the student id and section id along with numeric grade of students whose numeric grades are less than the average numeric grade for that section.

**SELECT** STUDENT\_ID, SECTION\_ID, NUMERIC\_GRADE   
**FROM** GRADE\_INFO  
**WHERE** NUMERIC\_GRADE < (**SELECT** *AVG*(NUMERIC\_GRADE)  
**FROM** GRADE\_INFO);

1. Display the instructor details only if the instructor teaches a section.

**SELECT** \*   
**FROM** INSTRUCTOR\_INFO  
**WHERE** INSTRUCTOR\_ID   
 **IN** (**SELECT** INSTRUCTOR\_ID **FROM** SECTION\_INFO);

1. Display the sections in which no students are enrolled.

**SELECT** SECTION\_ID, SECTION\_NO  
**FROM** SECTION\_INFO  
**WHERE** SECTION\_ID   
**NOT IN** (**SELECT** SECTION\_ID **FROM** ENROLLMENT\_INFO);