

Exercise:

1. Show all student names.
2. Show all information of students majoring in 'CSCI'.
3. Show the names and credits of students majoring in 'CSCI'.
4. Show the names and credits of students majoring in 'CSCI' and having 40 or more credits.
5. Show the id of students enrolled in class with id 10000.
6. Show the code of departments with faculty in the rank of 'Professor'.
7. Show the names of departments with faculty in the rank of 'Professor'.
8. Show the names of students who have enrolled in 10000.
9. Show the names and major names of every student.
10. Show the names, major names, and advisor names of every student.
11. Show the names for all students who have received a grade A in a class offered by a faculty from the CSCI department.
12. Show the student names and their major names for all students who have received a grade A in a class offered by a faculty from the CSCI department.
13. Show the student names and their major names for all students who have received a grade A in a class offered by a faculty from the department with name 'Computer Science'.

14. Show the classId, facId and room of all classes with student 100001 enrolled.
15. Show the classId, facId and room of all classes with student 100001 or 100002 enrolled.
16. Show the classId, facId and room of all classes with student 100001 and 100002 enrolled.
17. Show the classId, facId and room of all classes with student 100001, but not 100002 enrolled.
18. Show the ids and names of all inactive students (students not enrolled in any class).
19. Show the ids and names of students who are enrolled in classes in two or more rooms.
20. Show the ids and names of students who are enrolled in classes in two or more rooms.
21. Show the names and major names of students who have taken both classes 10001 and 10002.
22. Show the id of students majoring in CSCI but have not taken any course from faculty 1012.
23. Show the id of students who have enrolled in the class 10000 with a grade B or better.
- 24*. Show the ids of students who have enrolled in all courses taught by faculty 1014.

For SQL only:

25. Show the number of students enrolled in the course 10001.
26. Show the number of students enrolled in each course that has at least one student in descending order of numbers of students.
27. Show the number of students enrolled in each course in descending order of numbers of students. Include classes that have zero enrollments.
28. Show the numbers of students each faculty member (with facid) teaches. Only faculty with at least one student should be shown.
29. List the major department names and the total number of credits taken by all students in the majors.
30. List the average number of credits students have taken.
31. List the average number of credits students have taken, in two decimal points.
32. List the major department names and the total number of credits taken by all students in the

major. List only the department with a total number of credits more than 70.

33. List the class number of each class with student names enrolled in the class in a comma separator list.

34. List the department names and their numbers of major students and minor students