



Unit 4 (30201120)
Database Design & Development
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Exercise: Using the select statement in SQL for the University system

Write a select statement for each query. Submit a zip file containing a screenshot of each query and results:

1. List the information of all instructors at office 'F07'.
2. List the first name, last name, and rank for all instructors who earn greater than \$5000.
3. List the codes of all pairs of courses and their pre-requisite. Note: list only courses with pre-requisite
4. List the information for the students registered in 2019. Hint: the first two digits represent the year.
5. List the course code, course title, and the section number of the courses that the student with the number '18222225' is taking for the current semester (semester 1, 2020)
6. List the student phone numbers for the student named 'Jermaine Mack'
7. List the section id, course code & title, year, semester, and grade that the student has failed (the grade is less than 2.00) for the student with the name 'Vienna Palmer'. Order the result according to the semester of the year where the courses of the first semester of the first year is shown at the beginning and the courses of the last semester at the last year is shown at the end.
8. List the section id, course code, course title, course prerequisite, and department name of the courses of the current year (semester 1, year 2021) for the faculty titled as 'School of Computing and Informatics'
9. Show the GPA of the student with the name 'Vienna Palmer'. Note: the GPA is the average of the student marks
10. List the number of addresses for all students by showing the student's full name and the number of addresses for each student for the faculty titled as 'School of Computing and Informatics'.
11. List the full name of the instructor, the average rating, and the number of ratings for those who gained the highest two average rating with more than 5 ratings. Sort them from the highest average ranking to the lowest.
12. List all the countries' names without duplicates for the students in the faculty titled as 'School of Computing and Informatics'. Use nested queries.