Laboratory work #3

Please, use the provided code to generate university schema, and run queries to insert sample data;

* LAB3.1\_DDL.sql
* LAB3.2\_DML.sql

1. Write the following queries in SQL, using the university schema:
   1. Find the titles of courses in the Biology department that have more than 3 credits.
   2. Find all classrooms situated either in ‘Watson’ or ‘Painter’ buildings;
   3. Find all courses offered by the Computer Science department;
   4. Find all courses offered during Spring;
   5. Find all students who have more than 45 credits but less than 85;
   6. Find all courses where names end with vowels;
   7. Find all courses which have course ‘EE-181’ as their prerequisite;
2. Write the following queries in SQL, using the university schema:
   1. For each department, find the average salary of instructors in that department and list them in ascending order. Assume that every department has at least one instructor;
   2. Find the building where the biggest number of courses takes place;
   3. Find the department with the lowest number of courses offered;
   4. Find the ID and name of each student who has taken more than 3 courses from the Computer Science department;
   5. Find the ID and name of each instructor in a department located in the building “Taylor”
   6. Find all instructors who work either in Biology, Philosophy, or Music departments;
   7. Find all instructors who taught in the 2018 year but not in the 2023 year;
3. Write the following queries in SQL, using the university schema:
   1. Find all students who have taken Comp. Sci. course and got an excellent grade (i.e., A, or A-) and sort them alphabetically;
   2. Find all advisors of students who got grades higher than B on any class;
   3. Find all departments whose students have never gotten an F or C grade;
   4. Find all instructors who have never given an A and A- grade in any of the coursesthey taught;
   5. Find all courses offered in the morning hours (i.e., courses ending before 13:00);