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1.Write the following gueries in SQL, using the university schema:
a.Find all courses worth more than 3 credits:
b.Find all classrooms situated either in 'Watson' or 'Packard' buildings;
c.Find all courses offered by the Computer Science department;
d.Find all courses offered during fall;
e.Find all students who have more than 45 credits but less than 90;
f.Find all students whose names end with vowels;g.Find all courses which have course 'CS-101'
as their prerequisite:
2.Write the following gueries in SQL, using the university schema:
a.For each department, find the average salary of instructors in thatdepartment and list them in
ascending order. Assume that everydepartment has at least one instructor;
b.Find the building where the biggest number of courses takes place;
c.Find the department with the lowest number of courses offered;
d.Find the ID and name of each student who has taken more than 3 coursesfrom the Computer
Science department;
e.Find all instructors who work either in Biology, Philosophy, or Musicdepartments;
f.Find all instructors who taught in the 2018 year but not in the 2017 year;
3.Write the following gueries in SQL, using the university schema:
a.Find all students who have taken Comp. Sci. course and got an excellentgrade (i.e., A, or A-)
and sort them alphabetically:
b.Find all advisors of students who got grades lower than B on any class;
c.Find all departments whose students have never gotten an F or C grade;
d. Find all instructors who have never given an A grade in any of the coursesthey taught;
e.Find all courses offered in the morning hours (i.e., courses ending before13:00);
1) a) select title from course
b) select room number from classroom
C) select title from course
d) select title from course c, teaches t
e) select name from student
f) select name from student
g) select title from course c, prereq p
2)a) select dept name, avg(salary) AS avg salary from instructor
HAVING count(1) = (SELECT MAX(second.number) FROM
WHERE department.dept name = course.dept name
group by department.building) as second);
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3)a) select s.name from student s, takes t
E) select distinct c.title from course c, section s, time_slot t
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