Assignment 1 (Relational Algebra) * Unite the following queny in nelational algebra Using the following university schema: classroom (building, noom_number, capacity) department (dept-name, building, budget) course (course_id, title, dept_name, credits) instructor (ID, name, dept-name, salary) section (course-id, sec_id, semester, year, building, room_number, time-slot_id) teaches (ID, course-id, sec-id, semester, year) student (ID, name, dept_name, tot_cred) takes (ID, course-id, sec-id, semester, year, grade) advisor (S_ID , i-ID): prereq (course-id, prereq-id) I find the title of courses in the comp. sci department that have 3 credits. Ttitle (Odept_name = comp. sci' n chedits = 3 (course)) (2) Find the highest salary among all instructors. Gmax(salary) (Postructor) 3 Find all instructors earning the highest salary. instructor (Gmax (salary) -Msalary (instructor)) (4) Find the IDs of all students who were taught by an instructor name "Sullivan" (Join multiple table) Tid (Trame = "Sullivan" (takes M teaches) 6) find the IDs & names of all students who have not taken any course offening before 2009. (using set difference)

