155775) A- 4
Relational Algebras (C5275) Assn 4
a) Trans, have (TRAME, come, son (Opro=5 (EMPLOYEE)))
Trane, Lames 550 (Opine - "product x pollours >0 (EMPLOYER
Prosecus NORRS_ON) A (pro=prumber PROJECT))
39C, SELECT Frame, / name
FROM (Employee E NATURAL JOIN Project P) NATURAL JOIN
WORKS -ON W
WHERE E. Dro = 5 AND P. Prane = "Product X" AND
10. b) There, was e Copertert range Frame (EMPLOYER DESENDENT)
6) There, cross e Openent rome Frame (EMPLOYER DESMERS) DEPRNOENT
SQL:
SELECT Frame, Longe
FROM EMPLOYEE NATURAL JOIN DEPENDENT
WHERE Dependent_nome = Frame
SUPERVISION (SSN1, SSN2, France, Lame) = Tom, reperson frames Imme
SUPERVISION (SSN1, SSN2, France, Lame) = Tom, uper son frame I range
(EMPLOYEE)
PESULT (Frame, Lame) = TEmmeriname (SUREPNISTON DYSOMESSAN (WONG-55N).
(WONE-55N)
TQL:
SELECT UNIQUE E.Frame Floring
FROM EMPLOYEE E. THAN SIGN SIGN SIGN SIGN SIGN SIGN SIGN SIG
WHERE E. superson = (SELECT E. son From EmployEE E
WHERE E. Franc = "Franklin" AND E. Iname = "Wong")
The state of course administration for the state of the s

(2 a) Relational, Mame (Omajor=CS AND class=1 (STUDENT))
SQL; SELECT S.Name FROM STUDENT S WHERE Class of AND Major = "Cs" Relational: KING-COURSES = (Oinstructors King (SECTION)) RESULT & Transe-nume (KING_caretes Ascarse number=conve-number Course name FROM COURSE NATURAL JOIN SECTION WHERE Instructor = "King" e) felational: KING-SECTIONS - SINGROUGO = "Enig" (SECTION) STUDENTS _ IN - SECTIONS (KING-SECTIONS ASSECTION = identifier = rection = id GRADE_REPORT) RESULT = section-Hertifler 5 count section-Identifier, course number, remoter, year STUPENTS_IN-SECTIONS. 5QL: SELECT CourseNumber, seneder, Year, Count FROMZ GRADE_REPORT, ECTION WHERE Instructor = "King" AND section - Identifier = GRAPR-REPORT, section-Identifier. (Shoul By course Number, semester, year

Japan : Heather Warmen ; David Merick E d) SENIORS Trame, southernow her (Oclass = 4 AND major = 25" (STUDENT)
TRANSCRIPT_INPO E ((SENIORS A) student-number = student-number = GRADE REPORT) Thome, course name, course number - credit hours, severes, year, gounde TRANSCAPT INFO, SQL: SELECT name, course-name, course-number, credit hours, senses, you, FROM ((STUDENT NATURAL JOIN GRADE REPORT) NATURAL_JOIN SECTION) NATURAL JOIN COURSE) WHERE major = "cs" AND class = 4. 3 a) INSERT INTO 'STUDENT' ('Name; 'Student-number',

'class', 'major') 'VACUES

('Johnson', 25, 1, 'Math');

b) UPDATE 'STUDENT' SET Class = 2 WHERE name = Smith! c) INSERT INTO 'COURSE' ('COURSE name', 'Course number, 'Credit_hours', 'Department') VALUES ('Knowledge engineering', 'C5 4390', 3, 'C5');

DELETE FROM 'STUDENT' WHERE name= 'Smith' AND Student_number = 17;

Spoop: Heather Warner, David Merick ? TOTAL COURTES Sa) MSERT With "TUDE HT! I Have " Student-number"