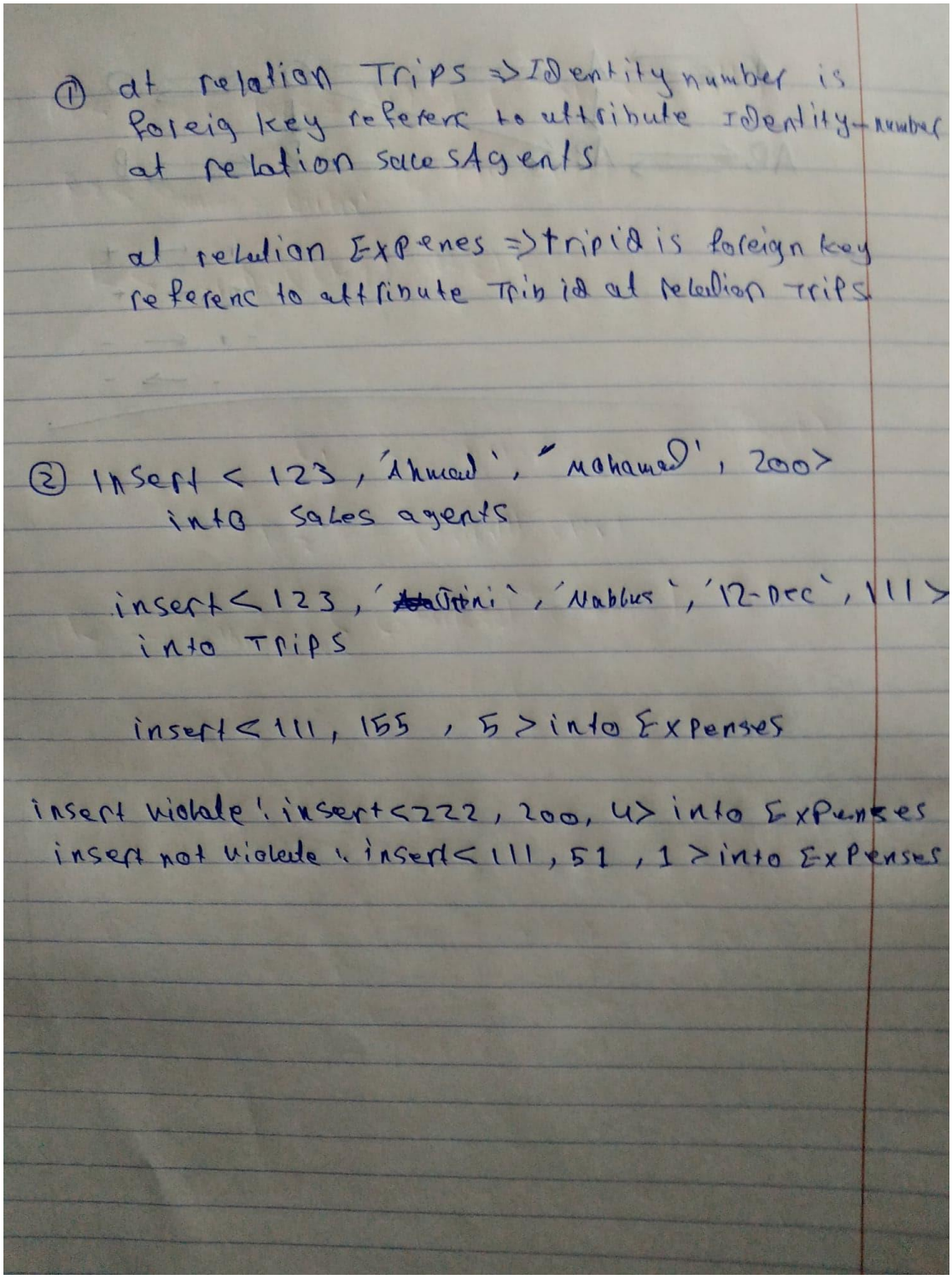
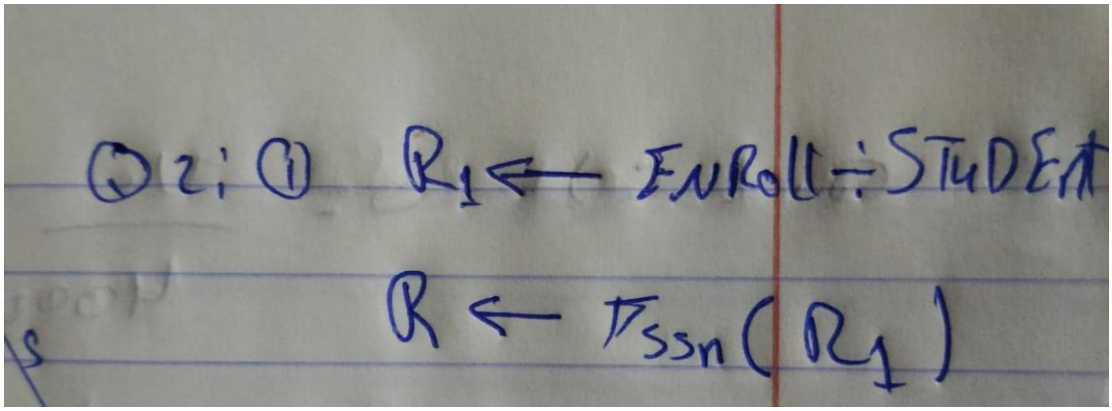
Name: zakaria wildali
ID:201810889

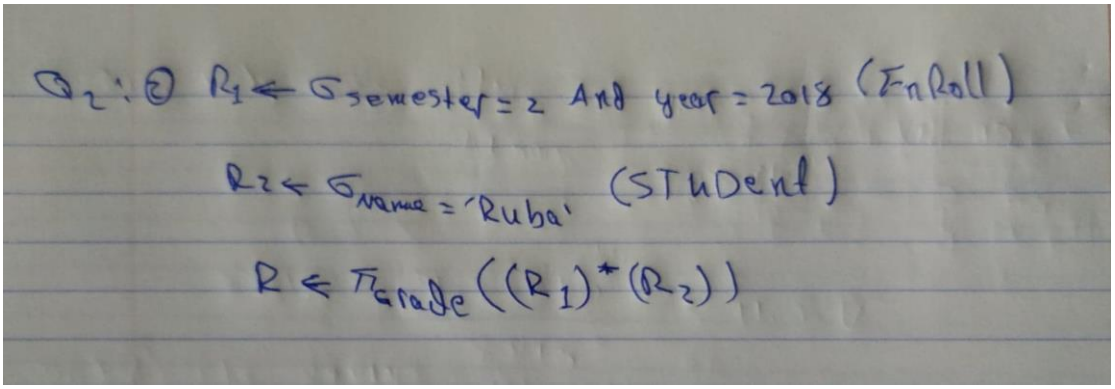
Q1:



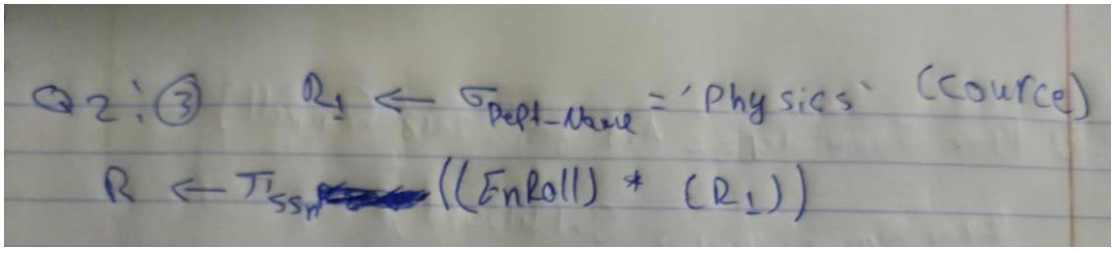
Q2:
1.


Q2: (1) R1 ← EnRoll ÷ STUDENT
R ← πSsn (R1)

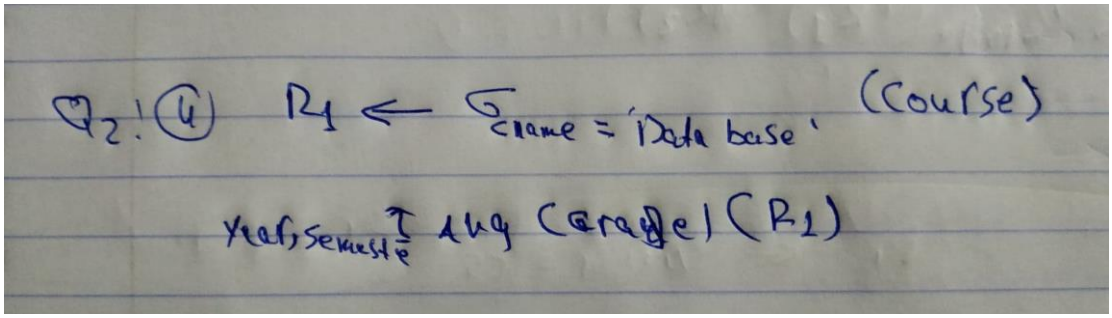
2.


Q2: (2) R1 ← σsemester = 2 And year = 2018 (EnRoll)
R2 ← σname = 'Ruba' (STUDent)
R ← πGrade ((R1) * (R2))

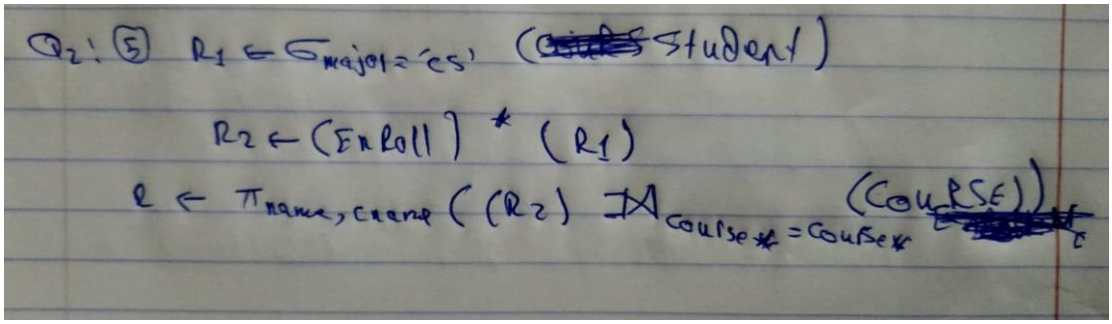
3.


Q2: (3) R1 ← σDept_name = 'Physics' (Cource)
R ← π[redacted] ((EnRoll) * (R1))

4.


Q2: (4) R1 ← σ cname = 'Data base' (Course)
Year, Semester τ Avg (Grade) (R1)

5.


Q2: (5) R1 ← σ major = 'CS' (Student)
R2 ← (EnRoll) * (R1)
(Course)