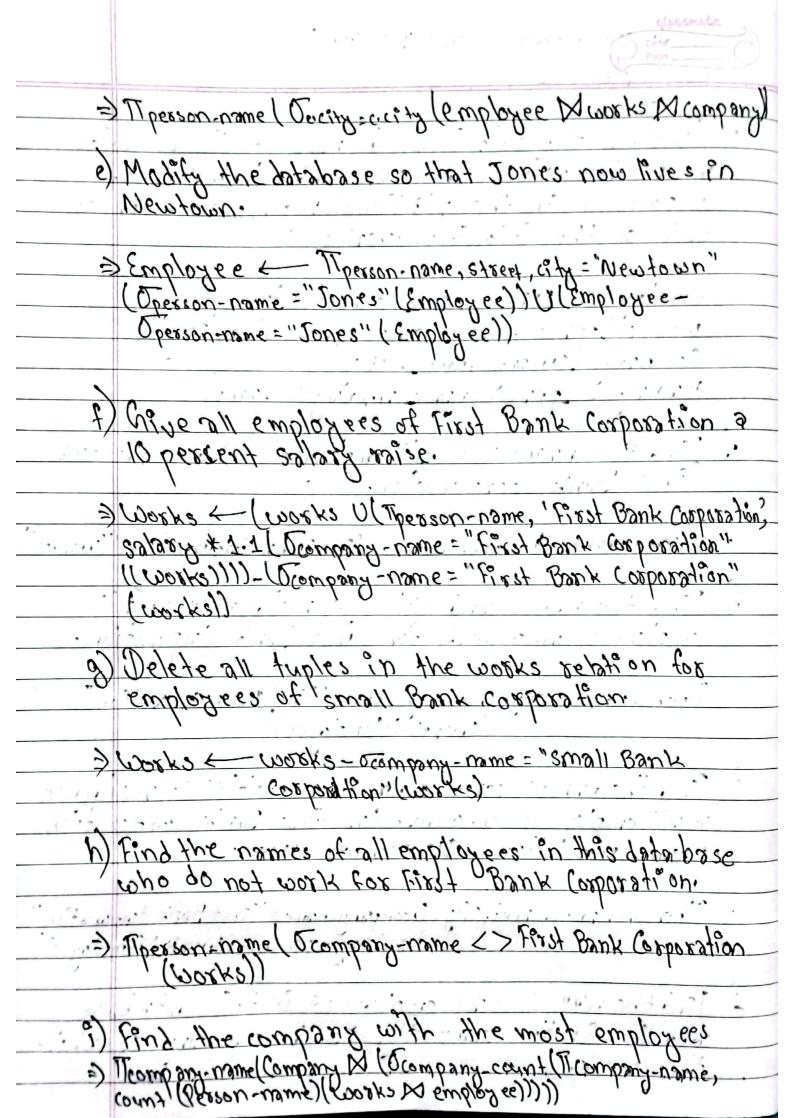
Yeadip Ohungana - 201751 BESE (OM) Assignment .2 1) Consider the relational database of figure below. where the primary keys are underlined. Trive in expression in the relational algebra to express each of the following queries; employee tperson-name, street, city). works (person - name; company name, solary) wang des (bereou-nome vuo us dee-nome) a) find the names of all employees who work too tourt Bank corbaration. = Il person-mome (Ocompany-name = "First Bank Corporpateon" (works)) b) Find the names and cities of residence of all employees who work for first Bank Corporation. => Therson-name, city (O company-name = "First Bank Carporation" (Work Memployee)) find the names, street address, and cities of residence of all employees who work for first Bank corporation a sam more than \$10,000 per annum. =) Theoson-name, street, city (Ocompany-name = "First Bank Comparation" Asalary > 10.000 (Work Memployee)) d) tind the names of all employees in this data base who live in the same city do the company for which they work.





- 2) Consider the following relations: · Ortor 1554, First Name , Specaality, Years of Experience, PhoneNum) · Patient (35t), First Nome, last Name, Address, DOB, · Medicine (Tradelyame, Uneterice, Genericalay).
 · Prescription (Id. Date, Doctor, sou, Patient - sou) · Prescription- Medicine Prescription Id, Tradellame, (cfinUfomus) Write the relational algebra expressions for the following quest es. 2) list the trade name of generic medicine with unit price less than \$50. > Trade-nome (Descretchog: 1 1 Unitarice (50) (Medicine)
- Dist the first 2 last name of patients whose primary doctor
- med : sme where (Potient) M. traited) sme where I (= : Abot Dame = "Smith") (Doct ox 1)11)
- c) List the first & past siame of doctors who are not primary goctors to sund betieut.
- => Trivat-mane, 120two me ((Doctor-Tipoimo x Doctor_SW) (12thort)) M Doctor)
- d) for medicines written in more than 20 prescriptions, report the trade name and the total number of whits premi

- Tradename, sunlaumatumita) (Brewsighton Medicine

 M (Tradename (Porceriphton) M (Ground (Presertion-II)

 20) (Becatofton-Medicine)) e) lest the san of ashers of ropo passabligation.) Majient-soull Craderime = "asprin") (Prescription-Medicine) the sun of Astinct to them phy goctor named John smith. Medicine) Missing = "Aspiston" (Trescontino)

 Medicine) Missing (Doctor))

 Medicine) (Thomas (Doctor)) Sheir beimes A garyors.

 Sheir beimes A garyors.

 Sheir beimes of milyten pa garyors. office then in Trivinome, withome ((Patient (Tratientown) Concionsin
 - en a ser e in motorio de marcos de ser se de al acordo de la compania del la compania de la compania del la compania de la compania del la compania de la compania del la c

Charles of the solver of property of solvers of a property of the solvers of the