Astha Shapa 22 1707 Assignment 2 DBMS Ly Consider relational db of figure below, where the primary keys are underlined. Give an expression in the relational algebra to express each of following queries employee (person-name, sheet, alty) company (company_nane, city)
manages (person_name, manager_name) a) Find the names of all employee who work for first Bank Corporation -) IT person-name (Tompany-name = " first Bank Corporation (Work) b) Find the names and cities of residence of all employed who work. For 1st Bank Corp.". = "first Bank Corp" " (works M Employee) > IT person-name (6 company-name e) find the name, sheet address & alives of residence of all employee who works for 1st Bank Corp Tache earn more than \$10,000 per anum -) 11 person nave, sheet, city (o company-nave - 1 1st Book Cong! 1 of sdary > \$10,000 (Employee)

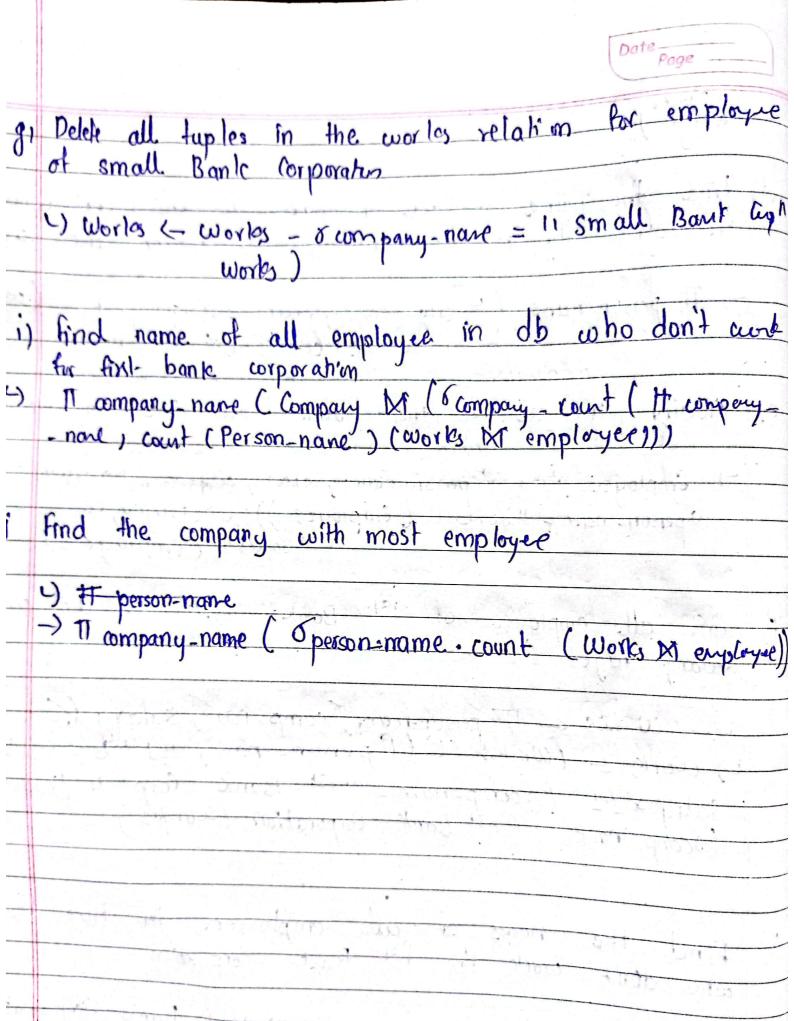
employee)

- d) find the names of all employee in this db who lie in same city as the company for which they was.
 - -) Il person-name (city = employee city = company city (wempt -
- e) Modify the db so that Jones now live's in Newtown
 - Temployee the person-name, shut, city = "Newtown" (

 Temployee Tones !! (Employee)) U (Employee Tenne

 "= "Jones" (Employee))
- f, Give all employee of 1st Bank Corpn a 10 %.
 salary rage.
 - Works & IT person-name, comp-name, salary & works & Worlds & Ull person-name, "1st Back corp";

 Salay * 1.1 (Scomp-name = "1st Bank Corp" 11 (world)))
 (Scomp-name = "1/st Bank Corporation (worlds))
- h, find the names of all employees in this db who don't work for 1st Bank Corportion
 - 11 person-name (6 company-name <> first Bank Corporation (w-



pristry

	Page
)	Consider the following relations:
	Doctor (SSN, first Nane, Last Nane, speciality, Years Of Experience, phone Num)
	Patient (SSN) fixt Nane, last Nave, Add 100B, Primary Doctor_SJ
	Medicine (Trade Nanc , Unit Price , Chenonic flore)
	Medicine (TradeNanc, Unit Price, Chenonic Flag) Pouriphion (Id, Dale, Doctor. SSN, 1 Patient-SSN) Posseriphion-Medicine (Prescription Id, Trade Nanc, Numot Unity
	Bennishm-Medicine / Prescription Id, Trade Nave, Numot Unity
	territoria de la region de la mujerio d'argonis VIII de la la fisione de la 1880.
1)	List the trade name of generic medicine with unit price less than \$50.
	unit price less than \$50
	-> Trade nave (6/1 unit Price < \$50 (Medicine))
Ь	list the 1st of last none of patient whose primary doctor named 'John Smith'
	named John Smith
	4) TI ist none, last none (Pahient M (Tissn (Doctor M (fist Nume
	= 'John' Mast Nave = 'Smith') (Doctor))))
	= John' Mastivare = similion
) list the 1st & last name of doctor who aren't primary
	doctor to any patriat.
-	active to use part
	a) The nar, last none (1 Doctor - Tprimary Doctor - SSNI) (Patrons
	a) Il 1st nove, last nove (Costor)

d) For medicine written in more than 20 presumpting, report the trade name & the total no of until must

-be (Prescription) M (8 count (Prescription - Id > 20) (Prescription_ mediaire)1) ex list the SSN of patient of who 've 'Aspinin's
'Vitamin's trade nanc in one presuriphis. M & (madenace = "Vitarin 11) (Propy) tim_medicire) f) list the organist & last name of patient who had no prescription wrilten by doctor other than their () IT fixt-nove, last-nove (Patront (IT patrent-SSN) (& pocho-SSN) (Preswription) M Patrent))

Transply - retired