Brandon Patton Queries: relational algebra + SQL Problem 1 .. I. Ity Name Theity = Nyc' A year = 2019 A from Date L= Jon32'.

(Grest & Booking M Hatel) 2. Ity Name Thaity Nyc' Atype= 'suite' A noof Days > 20 (Guest M Bedling M Hotel MHdel. hid = Room, hid Room) 3. tog Name (Grest) - 15g Name Vno Of Days >5 (Guest M Booking) 4. tohtd Theity='NIC' (Hotel)- Tohtd Typor=2018 (Booking) 5. TogId ( Grast M ( TogId Room hid ( Booking M Hotel M Hotel, had = Room, had (Taype = sufe (Room)))/ Theity='wyc' (Hotel)) Problem Z. 1. SELECT ename, age FROM EMPE NATURAL JOIN Works W NATURAL JOIN Dept D WHERE drame = Hardware' AND Eierd = ANY (SELECT E2.end From Emp E1 NATURAL JOSU WORKS W NATURAL JOIN. Dept D WHERE drame = Software );

2. SELBET managerid FROM Dept D WHERE B'SUM (budget) >= ALL SEA (SELECT SUM (DI budget) D.I. managerid

Frem Dept DI Group By managerid);

3. SELECT managerid FROM Dept D WHERE budget >= 1000000.00;

4. SELECT ename

CHIPPIN OF THE

EMPENATURAL JOIN Frem Works WNATURAL JOIN Dept D

WHERE Salary > ALL (S.ELECT D1. bung) FROM Emp E1

5 STUEET CHAIR NATURALJEIN WORK W1 NATURAL JOAN Dept D1

WHERE EI. eid= E. eid);

5. SELECT encine FROM EMPENATURAL JOIN works w NATURAL JOIN Dept D WHERE budget >= ALL(SELECT DI, budget Fran Dept D1) problem 3. 1A. total, address, ashing-poice, selling-fisee Vselling-price & oushing-price (House WSold) B. It name (To name, id Buyer - To name, del (Buyor W Sold) 2 A. SELECT H. postal\_code, AVG (Selling price) As AP FREM Horse H, sold S WHERE H.id=S. house-id Group By Hipostol-code HAVING COUNT (house-id) >= 3;

2B. SEVECT DISTINCT H. address, M. ashing-price From House H WHERE H. beds >= 4/10 7 NO AND/OCNOTALY (SILE) H, boths>=2 AND NOT EXISTS (SELECT horse id FROM Solds WHERE S. horse\_id = Hid I pledge my haver that I have abided by the Stevens Honor System. Brown Patta