Assignment 01

81

Branch: Assamptions > Each person's fell No 4 amail will be d. Affect . (Not using some common felliss of Staff: - Passusous, can be same Postcode of a city Doesn't charges therefore 2 branches located in the Propert For Rent: Same city in the same street will have Client: tell No, email same post coode -Private Owner: tell No, email, por Viewing; Assumptions -> Address is dofined as street, city, post noce therefore Registration: it can be some 02 Done After 84

Branchino, Staff mo, Papatino, Ounano, Client No,
talino, email - suplication BB à key constraint (SA9), Domain Constraint (sex, 1) (usung évaluetype) b Entity constraint (PK can't be NULL). ¿ No vidations d' Referential Integrity (Owner No CO933 referenced in Property For Referential Integrity (Client No in Client No in Registration) f Referential Integrity (Viewing), Popertivo is FIX in Veinery table 9 Entity Into No violations

04 Create table staff(Staff No Vorcher(8) Not NOLL, f Name Vorchol (15) Not NULL, position Varchar (15) Not Note, char(3) Not Noce sex Date Not NULL CHECK (to 8 > '01 - Oct 1911 DOB AND DOB Z '01-Oct-2021') (lextract (year from DOB). extractlyen from systates 1 L=60) AND &. Salary Decimal (7,2) Not NULL Check (salary between 9000 AND 30000), branch No varchar (6) Default '80001', Constraint PK_staffWo Prinary (cey (staff No), Constraint Fle branch No Fureign key (branch No) Referen Branch (& branch No) ON DELETE SE DEFAULT ON UM (ASCADE); property For Rent (Create Table Not MLL, varchox (6) property NO Vorchow (30) Not NULL, Street rough (72) Not NULL, city . NOT NOLLY Varchor (15) 100 code Default House', Varchor (20) NOT NULL CHERC (10MS)= type 14(5) Looms NOT NOTE Decinal (42) rent Not NUL, Varchar(5) June No StallNo harchor(5) branch No Varchall6) NOT NULL

Constraint PK Woring Primary key (Chem No, branch Mo), Constraint Flc (lient No) Foreign key (Chent No) References registation (client No) on DELETE CASCADE ON UPDATE CASCADE, constraint Flc Property No Foreign key (property No References proparty For Rent (client No) on DELETE CASCADE ON UPDATE CASCADE);
82 branch No (staffstyle) of
Branch (No & FK)
Staff: Brank No (PK of Branch Table)
Property for Rent: Owner No shall be de la
Disporty for Rent: Owner No, steelf No, bronch No (PIC of branch, Staff, Private Owner) respectively
1 state could! Lesbectries
Client: No FK
Viewing - Property No (PK in Property For Rent), Client No (PK in (lient).
Private Owner: NO FIX
Registaction: - (lient NO (PK in creat), Dranch No (PK in
Branch) staff NO (PK in staff).

Select P. Propertio From Property For Rent P, staff s where P. Branch No = S. Branch NO AND S. Sex = 'p Select P. 4. Private Owner P, Progesty for Rent R From P. Owner NO = R. Owner NO AND R. type = 'House' we select & s-staff S. Salary*1.15 From Staff S, Branch B Where S. Branch No = B. Branch No AND B. Branch B. City = 'London' Select PR.+ From Property For Rent PR, Registration - R Viewing V where PR. property No AND V. view Date Like ' Y. MAY y.13' e select s.* where S.f. Name Like 'D'. 'OR s. Iname like 'Wy. '