Reg. No: 19 MID 0020 dubject dobranced datatrase management Dystems Digital Assignment - I i) Jype of dolabace required: since the software enquired to deal with time, Temporal database is cept for this Jugivienient. Keason & justification \* The valtoubutes are Spurchased time 6 Occupied time ( ) sold out tune encompasses the detail in them, Temporal idatabase will handle this effectively nather than relational Patalarse. (R-DBs) A Temporal idatabases are the ones which have certains fiatures that supports time sensitive status for untries. A temporal colotalrases supports the exclusive Data types are 4 Late 4) Turnest comp ett ...

Name Wrashauths

& This relation craptures both the Instory in reality owners) of aproperty cover time (evaled time). aswell as the sequence of idatabase states, identing the transactions applied to this table of This implication requires is hi temporal idatalrase. Database Dresign anery !-CREATE MULTISET TABLE Real Estate ( compur name VARCHAR(BO). Mustomer - munter INTECIER, property\_munber INTEGER, property-purchased-VSF DATE NOT NULLAS VALID TIME -property\_sold\_time\_VET DATE NPT NULL ASVALID TIME propordy - scrupid - time\_VT PERIOD (DATE) NOT WULL AS VALID THIR -property\_TPERIOD(TIMESTAMP(6) WITH TIME ZONE) MOT MULL (AS) TRANSPETIONTIME) PRIMBRY INDEX Cyproperty - number);

	Description.	· · · · · · · · · · · · · · · · · · ·	
	NAME	NULL.	TYPE
	Ourses - name		VARCHAR 2(50)
- 1	automur_naundur.		INT
- 1	property number		·INI.
	property-spurehased_vs7	Wof will	PATE
	property_solditime_VFT	Not hall.	DATE
	property_occupied_time_	Mot mull	DATIE (PERIOD)
	property - TT	Modmill	DATE (PERIOD)
		* ;	

i) Proporties are or inverseouved the the rustomer who sowned cost the same time period property 7797

SELECT R2 property\_number

FROM Real: Estate As R1, Real-Estate

H3 R2

WHERE R1 property-mumber = 7797

AND R2. property\_mumber <> R1, property

number

AND R, customer\_number = R2 pendomer

number

AND R, Dupied\_time\_NT OVERLAPS

R3. Dupied\_

time\_NT

		M) June recorded that a property is or
	, la	was cowned that cardoner who council
	,	Lat the sometime property 7 7972
		SEQUENCED VALIDIUME AND NON JEQUENCED TRANSACTION TIME
		SELECT R2. property_number, BE ONT
		(R2's property- TT) As recorded_start
		FROM Realistate AS PI, Real-Estate AS RZ
	. , .	WHERE R. property minutes = 7 (97  AND R2 property minutes:
		P1. property - number =  P1. property - number =  P2. rustomer_number
		AND R, property TT OVERCAPS
		R 2. property_T
	,	
	. ;	
\		

Manager icreatis a stable ritem letid, name, rating, spirice and inserts malues wir lit.

## SQL duvis

a) Manager allows supervisor to ido unsecticand supdates and esquervisor further allows allows allows these aperations as

anery: Grant INSERT, UPDATE, DELETE an item to supervisor

D'herrive grant permission, penvileage to supervisor that granted supervisor can valletto print other users to do the operations on that relation.

Note: - since un this question and in the following quittion. they only mentioned operations elike cursuit, impolete and idelete, Do that s. privileges are given to the Supermisor.

b) Mara ger gets back the permission given to tolelete records in the relation item open supervisor.

To iget hack the permissions, REVOKE Statement will the cused.

auny. REVOKE DELETE on citin from supermisor.

A when a privilge is veroked from particular user of other the privilegy corrected to call other users by user of will be veroked

Superirisor, will remove the privilege given to all the users, egranted dry superirior.

confy fram and lid on the Allation item

Overy footforview & CREATE DIEW will, AS treation SELECT I name that From item

This will weath invitual stable contains only these two cultilutes (rohumn) only these two clerks of rand permission for that when to clerk avery: raport SELECT, SHOW VIEW ON Stam. onew this privally will conly to allow to visualize

Those two attributes Horclerk.