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DBMS ENDSEM

when every employer will have a unique name If this is ensured, the triples will be organized according emprame alphabetically

boarble Considering everyone has a unique to consynd to them. the Juples will be organized according to empid.

using both emphanic and empid as alustward indirects many not be possible but it is possible to have one Clustward indivand one-non clustered indix.

DDL is important in SQL in DBMs because it is used to discribe data shuckwas and modify data.

DML is used to add pad retracted and update data, it is not important for creating database shuckwas

A DBMs is typically shared among many users. From actions from these users can be interested interleaved to improve the execution time of users' queries. By interleaving queries users do not have to worit for other users transaction to complete fully before their own transaction begins. without Interleaving it users A begins a transaction that will take 10 seconds to Complete, the user B want to begins a transaction, user B would have to wait for additional 10 seconds for user A's transaction to Complete befor Database begins to proceed were B's transaction.

4.3

- as in transaction management and database Consistency there is nothing the users 'must Gaurante.
- by the used must be honest, truthfull, lawabiding and Sincere when it Comes to the bank transaction
- e> the users must not try any unethical method to use the services and must not share their bransaction details with anybody.
- da so, the usua responsibility and honerty Cannot be assured in the terms of homesaction and database Consistency.



4.63 In a multiprogramming environment where multiple transactions can be executed Simultaneous it is highly Important to control the Concurrency of transaction. Concurrency Controls trotocol to consume atomicity, isolation, the and screalizability by of Concurrent transaction.

Integrity Constraints must be maintained So that

the database is consistent before and often the transaction. it refus to the correctness of database.

25 to the contract of the cont

(5) Yes, we can determine the key of rulation with the help of instance. For eg. :- In a one of many rulation use can consider the Column with unique values as a primary key.

P(R1, Katalog)

P(R2, Katalog)

The pid The pid=R2.pid 1 Rt. sid!= R2.sid (R1/1R2)

Using the following

SID PID Cost

1 \$ 10.00

2 \$ 1 \$ 9.00

2 \$ 3 \$ 34.00

3 \$ 11.00

6 >

(a) CREATE CLUSTERED INDEX CONSTER cluster_1

ON STUDENTSTABLE (Studentname Asc)

(To create a clustoud index)

SELECT Email from strolente habbe STUDENTSTABLE

Output

Email
Yashi @xyz. com
alcaih @ yahoo. com
Millia @ gmail. com

Outbut Age Email Student 10 Student Namu yashi exyz.com 20 Yashi 1006 alrest @ yakoo . con 21 Ayaan 9745 21 Null Mayana 8236

Create VIEW Old Emb (cid, name, age, salary)

AS SELECT E.eid, E. ename, E.age, E.salary

From Emp E

WHERE E.age > 50

F(R, (atalog)

P(R, Catalog)

The pid or Ripid = R2 pid A Risid (= R2 sid (R1XR2)) using the following.

SID PID Cost

1 1 1000
2 1 2000
2 3 3000
3 1 4000

Rix Rz givon as.

SID	PID	cost	SID	PID	Cos1
2 10	1	1000	1	1	1000
1	i	1000	2	1	2000
'	1	1000	2	3	3000
1	1	1000	3	1	4000
2	7	2000	t		1000
2	1	2000	2	1	2000
2	1	2000:	2	3	3000
2	1	2000	3	1	4000
2	3	3 000	1	1	1000
2	3	3000	2	1	2000
2	3	3000	2	3	3000
2	3	3000	3	1	4000

510	PID	cost	210	PID	Cost
3	1	4000	1	1	1000
3	,	4000	2	1	2000
3		4000	2	3	3000
3	1	4000	3	1	-1000

OR, PID = R2. PID gives us.

210	PID	cost	S10	PID	Cost
1	,	1000	1	1110	1000
1	1	1000	2	co P	2000
	1	1000	3	1	4000€
2		2000	1	1	1000
2	3131	2000	2	1	2000
2	1	2000	3	1	40000
2	3	3000	2	3	30008
3	Para	4000	1	1	1000
3	1	4000	2	1	2000
3	1	4000	3	1	4000

OR, Pid = Pz Pid A Rissid = Rz. sid gives M. PID cost SID PID Cost

SQLI

SELECT (.sid

FROM Catalog (
WHERE Exists (SELECT C1.sid

FROM Catalog C,

WHERE C1. pid = C. pid AND C1.sid = C. sid)

Ans 8.) Co	Halo	g			
			Pork		
SID	PID	Cost	PID	Preme	Color
4	1	15	1	abc	Rid
1	2	30	2	def	Blue
1	3	40	3	XYZ	green
2	1	9		-12	0,00
2	3	110			

Serpp1	icru	
SID	3 nam	addres
1	X	a
2	4	6

out put

Sname

4