CS310-DBMS END SEM

Name : Sompalli Ajay kumar

Reg No: 19BCS101

1) - Using emphasize as a clustered index is possible only when every employee will have a unique name. If it is present then tuple will be organized alphabetically.

-> Using empId as a clustered index is definitely Possible when everyone already has unique ID. Then Tuples will be organized according to EmpId.

- It is not possible to have both Clustered Index gempname, & Emp Idg. It is possible to have one clustered Index & one non clustered Index.
- DDL is important in representing information in DBMs because it is used to describe external and logical schemas.
- → DML is used to update and data: it is not important for representing data.

BMS is typically shared among many users.

Transactions from these users can be interleaved to improve the execution time of users queries. By interleaving queries users do not have to wait for other users transactions to complete fully before their own transaction begins.

Without interleaving, if user A begins a transact that will take 10 seconds to Complete, and user B would have user B wants to begin a, user B would have to wait an additional 10 seconds for user A's transaction to Complete before the database would begin processing user B's request.

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of A user must guarantee that his transaction does not coroupt data or insert anything in the database. For example, in banking database a user must guarantee that a cash withdrawn transaction accurately models the amount of a person removes from his account. A database would be worthless if a person removed so Ruppees from an ATM but the transaction set their balance to 0.

transactions are executed Completely and independently of other transactions. An essential property of a DBMS is that a transaction should execute atomically, or as if it is the only transaction running. Also, either transactions will either Complete fully, or will be aborted and the database returned to its initial state. This ensures the database remains

6 Create CLUSTERED INDEX IX student Name on Student-table (Student Name) Estudent table & Name of table & Assuming Aston platoresso montragnost vouch it is the

-) (1005, Krishna, Krishna@pgr.com 22) (1030, John, Null, 23) (1020, John, Jh@ xy z. com, 22)
- 6) We cannot determine a key of a relation given only one instance of the relation.

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Pids of parts that are supplied by alleast two different suppliers in Relational Algebra:

TRI. pid (TRI. pid = R2. Pid NRI. & + Rz. Sid (PRI Catalog × PRz. Catalog))

In SQL:

SELECT C. pid

FROM catalog C

WHERE EXISTS (SELECT CI. Sid

FROM Catalog C1

WHERE C1. pid = C. pid AND

C1. sid \(\pm \) C. sid \(\pm \)

Names of the suppliers who supply Red parts and which costs less than 100.

O CREATE VIEW Emp-View as select eid, ename, age, salary from Emp TOP FOR (FREDRICK FREDRICK) FREDRICK FR : 105 W PHERE EXISTS (SETECL CITY)