## DBMS-End Sem Enam

Name - Nihou Sanda Reg - 19BCS125

Describle only when every employee will have a unique name of this can be ensured by us, the tuples will be organized according emperame alphabetically.

If everyone is already assigned a unique of then empid as a clustered inden

we cannot use both emphane and empid as dustued inden; but it is possible to have one dustued inden and one non-clustered index.

Nihar Sanda 19BCS125 PAGE No. / / DATE / / 2) DDL is important is SQL in DBMS because it is used to discribe data structures and modify data update data; it is not important for weating database structures -> A DBMS is dypically shared amony many be interleaved to improve the execution time of users queries By interleaving queries, users do not have
to nait for other users transaction to
complete fully refore their own transaction
begins
:1. begins

Nidhout interleaving, the user A begins a

transaction that will take 10 seconds

to complete and user B mants to begin a transaction, then B has to wait an additional 10 seconds for user A's transactions to complete before the database would begin processing user B' regnest.

In transaction management and database consistency there is nothing the users must guarantee. guarantee. the user must be honest, truthful, law-abiding and sincere when it comes to the tank transaction The users should not try any unlthical methods to use the services and must not share their transaction details with anylody. So, the users responsibility and honesty cannot be assued in terms of transaction and database consistency While working in a huge banking/entriprise where their are multiple users using the system at once it is unportant to ensure the concurrent enecution of various transactions. transactions. In concurrent execution, it is important to control the consciuency of transactions. The concurrency of transactions. The concurrency of protocol should ensure atomicity isolation and serializability of concurrent transactions.

Lock based protocols and time based protocols. Should be followed by the DRMS.

The DBMS should also guarantee database consistency, which is the database should be consistent before and after the be consistent before and after the transaction at one refers to the corectness of the database.

19BCS12B Nicher Sanda Yes, we can determine the key of relation with the help of instance, For e.g. - In a one to many relation we can consider the column with unique values as a primary key.

a > THE create a dustried inden:

CREATE CLUSTERED INDEX new-cluster

ON STUDENTS TRABLE (Student Name ASC)

QUERY: -

SELECT Email FROM STUDENTSTABLE

Output -

jaya @ nyz com

jh @ nyz com

Null

Krishna @ pagr.com

6) output:

Student ID	Student Name	Email	Age.
1005	Krishna	Krishna@pgrom	20
1020	John	The nuz com	22
1030	Tohn	Null	23

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7.								
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-			A . 1247			7 C. sid		
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Outpu	<b>+</b> :-	
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	Sname	
	Shyam	
	Ram	

Nihou Sanda 19BCS125 The following view on Emp can be updated Automatically by updating Emp: -CREATE VIEW New Emp (eid, Grame, age, Salary)
AS SELECT E. eid, E. ename, E. age, E. salary From Emp E WHERE Eage > 50