DBMs. Using emphane as a clustered intexis

Possible only where every employee will because

a unique name. If this is ensured, the

types will be organized according emphane

alpihatially.

Using empid as a clustered index is definitely possible considerly everyone already has a unique id assigned to there The tuples will be organised according to Empid.

"Using both Emphane and Empid on a clustered indexes may not be possible but it is possible two hand one clusted index and one ton-clusted index

- DDL is important in <u>Representing</u> information in DBMs because it is used to describe external and <u>Logical schemes</u>.
- (ii) DML is used to access and update desta,
 it is not important for represting the data.

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3. TRUE, DBMs interleave the actions of different transactions instead of executing transactions one after the other. Transactions from these users can be interleaved to improve the execution time of Users' queril - By interleaving queris, users dennat have to wait for other user's transactions to complete, and user B wants to begin a transaction, user B would have to wait an additional largerends for wext's transaction to complete before the database would begin processing user B's requests

4.

a) . A user must guarantee that his or her transaction does not corrupt duta or insert

no wence in the database.

For example, in a banking d'adabase : a user must guaratee that a rash withdraw transaction accurately models the amount aperson removes from his or her -account. The application is worthies : if any body withdraws some of his amount from ATM but the transaction sets Als account balance to 0.

A) A DBMS must grantee - that transactions are executed hilly and independently of other transaction.

As essential property of a DBMs is that a transaction should execute atomically, or as it is the only transaction summing. This it is the only transaction remains consistent ensures that the database.

· K-loketh , 19BCS086

Ves, we can determine the key of relation with the help of instance. Example: In a one to many relation we can consider the column: with unique values as a primary key

a house of those of the reference

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a) create clustured index Ix-enphane-index an

STUDENT TABLE (student Name PESC)

" Select Email . from STUDENT table!

This guery displays all the Emails in the descending order of the Student Name. first the table gets sorted based on Student Name in Desconter than the select guery displays the emails in that order

p)	"Student ID	· Student Name		
	¥.		Email.	Age
	1005	krish na veni	krishawana	100.
	1030	· John cena		124
	1020		Noll	19
		John	null	27

CAF

· Relational Algebra -

P(R), Catalog).
P(R2, Catalog)
TRI, pid = R1. pid = R2. pid NRI. sid8 + R2. sid (RIXR2)

SQL: Query =

SELECT-Coid

FROM · Catalog C

WHERE EXISTS (SELECT C1-Sid

FROM · Catalog C1

WHERE · C1.Pid = C.Pid AND · C1 · Sid G = · C.Sid)

841)

· Invalid query -

Explanation: This relational algebra statement does not return anything because of the sequence of projection operators once the sid is projected, it is the only field in the set. Therefore, projecting on same will not return anything

94)

The following view on Emp can be updated automatically by updating Emp =

CREATE VIEW Sonior Emp (cid, ename, age, balary)
AS SELECT Eield, Eiename, Erage, Ersalary,

From EmpE WHERE . E.age>50.