DBMS ENDSEM

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operations in DBMS. The above quies question data is an example of physical data underestanted. We can un the concepts of indening for the above istatement. A mutted underest can be related on the emphane field the

CREATE CLUSTERED INDEX IX-index-name ON touble-name (onprome ASC)

ne can also create clustered under on emped whe command would be like.

Create CLUSTERED INDEX IX. under-nome DN table-name (empéd_ASC) or we we can make the empid as premain key than an under gets created on at by default.

sheyean also create underes on two fields

"CREATE CLUSITRES INDEX In-index-nome on Table-name Cempnome Desc empid ASC)!

They could also stole as a file solled on actuibate engled them by using the "ORPERBY" elase. It would be esembled to

" Select & from Table_name oude by empid".

(2) DDL is important in depresenting informalition in DBMS

L'Accourse et ils used to describe external and logical schemas

BML is used to access and upotate data. it

3-Ans: - A DBMS is a typically shared among many users. Horniactions from these users can be unterleaved to improve the inecution time of user's queries By untal dowing queries users do not have to wait for other ever's transactions to complete fully défole their own transaction deguis virthout unter - leaving if user A begins a deansaction that vuis take 10 seconds its complète and user B would have to wait an additional 10 seconds for user Als teansaction to complete defole the database would begin heversing user b's dequest. vso vansever vis True.

- 4. A use must guarantee his (-hei. stansactions does not corrupt data of unsert houseness in the database, a user must guarantee that a reach withdraw . Itansaction accurately models the amount to cherson tremoves from his or her account. A colalatrase application would be worthless if a person removed 20 dollars from an ATM but the teassaction iset their balance to zero.
 - (b) A DBMS must quarante strat dransactions

 are described fully sound undependently of ofthe stransactions. An exercise hisperly of a DBMS is that a dransaction should enecute automation triansaction running.

 treaty of as if it is the only transaction running.

 Also transactions will either complete fully. Of win it about and the database relieved to the united instant of the database relieved to the united instant.

(5) Yes we can determine the key of relation with the help of instance relation given . Eg In a one du many delation we can consider the column/acteibente doth unique values às a hernary key.

(6) CREATE Constitued Enden IX-emprone-inder ON STUDENTTABLE (Student Name DESC)

"Select email from STUdent Table"

This query display all the 7 mails in the

descending older to of the Student name in DESC.

Order thin select query desplays the amaile in that older.

St-Id	st-Name	finail Age	
1005	Krishna	Kushna@pgr.com	21
1030	John.	recy	23
1020	John	Th@ayz.con	21

(7) Query in Relational Algebra

e(R1, could)

TR, Rido RI-pid = Rz-pid NRi-sid! = Rz-sid(RIXRZ)

SQL Quiny: -

Select district Re-piot from cotalog Re.

Catalog Re where Re-piot = Pe-piot and

Re-sid! = Re-sid.

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OR, pid = Respid gnis us.

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TRI. prid = P2. prid 1 RI. sid! = Rz. sid gives us

Invalid query

Enplanation:-

This relational algebra statement day not return anything theath of the sequence of projection operators. Once the sid is projected it is the only field un the Set- Therfor Prouting on sometting wiel not selter anytting.

(9) The following view on Emplande updated automatically by updating Emp:

(REATE VIEW Senior Emp (reid, name, age, salary)

As select eid, E. ename, E. age, E-salary. FROM Emp E. WHERE E.age > 50.