Name + Vaibhar kuman Chauhan Admission Rolling + 19021507 Date + 7/9/21 Father Name + Sharvan Idumar Subject - Date Base management Course 940+cm Otech Subject-cool + TCG-503

Qua 1+

The proper use of goseign duys can minimize data sedundancy and seduce the change of dust suctive anomalies appearing.

Cannot be authough there showe be consider a redundancy got instance. Store the maries ay a student sora course author shows not problems cause a anomaly societation and anomaly and polation anomaly and updati-

En Super key so simply to identify the tuples of the specified table in the database. It is the superviset who executed to andidate key is a part of a super a table that is capable at table that is capable by identifying the other attable that is capable by identifying Ahoural

By the table in a unique mannor and all super 1 my. Emp-Id Emp-name Emp-email Sawos Scurio Vaconaile 01 02 vaibhas Ve em all.com 03 Vashu ra @ email. (a lisat is not mandatory to duino a primary by, but there commot be a ruasionship unistrout the candidate buy cour sum only by can be a candidate by but vicevuia la not possible. Exe- Consider a table "Student" with Ruimon, Columna Collino, name, class, cobsernaul My mobiles Hore Kollino Colum can se a primerry very jos the suadionship because it éduntifies ane 9+udent Candiate columns can be cancildate lay in the given teub. le belause they can uniquely identify grant of student occord. Orewhar's

## Quas:

- asis augerentiate between aties and 3 ties database anchitecture:
- => Two-Tim Destabase = Three-Tim Paterbane Anchitecture Anchitecture.
- 1. It is a client-Surver to at ince web-based Auchitecture. appulcation.
- a. Two-tier auchitecture Consists of two tayous: 2. Three-tion arch. Consist of 380 layer Client Tier and Database.
- 3. It is easy to build a maintain
- 4. Two-tier auchitecture gune siouci.
- 5. It is less secured as Client can communicate with database directly.

- Clients Busin on of Data.
- 30 It is complete to build a maintain.
- 4. Thuce-tier archi to ruma fastur.
- 5. 26 6 secured as Client is not allowed to commo with database directly.

ghauha!

Quisa as is

=> Types of Particepation Constraints.

Ranticipation Constants

Total Participation Participation.

## 1. Total participation:

- mandatory participarion.
- Total peuticipation la represented haing. a double time between in ontity set of 8 clasionship set.

Example +

Student En solica in Course

(tente)

Double une between the entity set "Student" & ruasionship set "Emsolica in" Dignizion total participation.

## 2. Partial Participation:

- entity set may or may not participate in their succession ship in stance in their
- → that is my it is also eauced ers
- Deutieu peuticipasion is represented vain guine between the entity set a

## Examplet



L'unadionship set "Emzouca in"
Signific partial participation.

Grewnan!