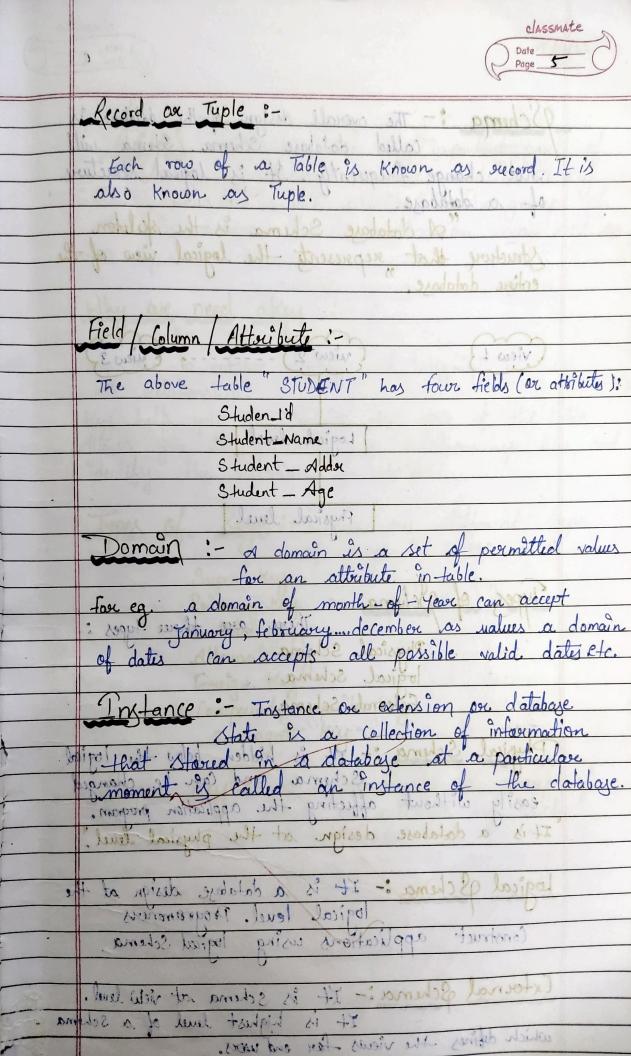


ell Modern dotabase management system like SQL, MS SQL Server, IBM DB2, DRACLE, My-SQL and Microsoft Access are based on RDBMS. RDBMS is most commanly used database. Major Components: · Table · Record on Tuple · field ou Column name ou Attribute Domain · Instance Schema Keys Table: - A Table is a Collection of data supresented in nows and columns. Student \_id Student - Name Student-Adr 1001 Chaitanya Dayalbagh, Agra 1002 Aject Delhi 26



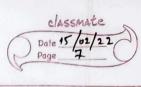
Schema: - The overall design of the database is called database schema will not change forequently. It is logical structure of a database. "A clatabase Schema is the skeleton Structure that supresents the logical view of the entire database." Logical level Types of Ochema

There are three types:

Physical Schema logical Schema

External Schema is a collection of ? Physical Schema: - It is hidden below the logical schema and can be changed easily without affecting the application program.

It is a database design at the physical level! Logical Schema: - It is a database design at the logical level. Programmers
Construct applications using logical Schema. External Schema: It is schema at view level.
It is highest level of a schema which defines the views for end wers.



Relational database models. A Ky can be single attribute on a group of attribute, where the Combination may act Why we need akey: Help you to enfance identity and integrity in the seld evelationship.

Key help you to identify any mad of the table.

Allows you to establish a relationship b/w identify the sulation b/w tables. Types of Keys: - There are different type of Keys in DBMS are: Super kuy

Pourary kuy

Alternati kuy

Foreign: kuy

Surrogati kuy

Surrogati kuy identifies rouss in war table has ton tout

	classmate
112- 1	Date Page D
\ <u></u>	
-	1 2 0 0000 1001 is a taken
	Jumary Key: - PRIMARY KEY is a column or
Vert	gaioup of columns in a
120	-table that uniquely identify every now in that
10,40	-table
	a Kiy,
	Rules of Comany Key:
	the sample of the same and which is
	It cannot be double or can't two orons have some
	0.0
•	
-	It cannot be null.
- 09	It must be uniquely identify (values),
- present	of districtions of wildates of my south
	Edertify the telling blo tablesternale key
	0
	There of kind :- There are different to
	time start is much by the training
	Sugar level
	Landidate Key: - CANDIDATE KEY in SOL is a
	Constitution of the state of th
	identify to set of attributes that uniquely
	identify tuples in a table.  Condidate key is a super key with no superated attributes. The primary key should be selected from the Candidate key.
	attichet
1	attorputy. The permany Key should be selected
	from the Candedate Key.
A	
10	It must contain rull value.
	The one opposition of the
•	It must contain funique value.
•	Must not Contain will value.
•	uniquely identify each occord in a table
	The state of the s

Composite Key: -: COMPOSITE KEY is a combination of two on more solumns that uniquely identify nows in a table. to uniquely identify each record is call. I Composite key is that any part of the Compound ey can be a foreign key, but the composite key imay; or maybe not a part of the surign. Key