

	Date Page
Y	3 Data Indepence - The ability of modify a schemes
	defination in one level without laffecting a Schema
	definition in the next higher level is called data
11.542	independence application programs should be as
	in depentation and storage which is distributed
2	what is data obstaction? Explain its levels.
	de la desplea data Structione
M	patabase system are made up of complex data structure. To ease the user introduction with database the
	developen hide internal inscelant details from users
	This process of hiding invelovant details from Users is
	The colled date abstraction
	The property of data abstraction one as follows:
	Dhirical level - The physical feet of the
11	abstraction that the
	of the state of th
	i al interpretation
	y Pand a nephesenting the auro
14	of the interpret view and the sites
	the state of the second of data obstantion
	3 logical level - The logical level of data obstraction
100	defines what data one actually stoned in the defines what data one actually stoned in the data base and what relationship exist among these data base and what relationship exist among these
	data base and conat Helatorial Schema data To relational DBMS, the Conceptual Schema database.
12	describes all relations to history level q abetraction
	3 view level - This is the highest level of abstraction describe
	as seen by a user. The level of abstraction doscribe
	Only the part of entire database which exists to
	Simplyfy the interaction with the system.
TOP	

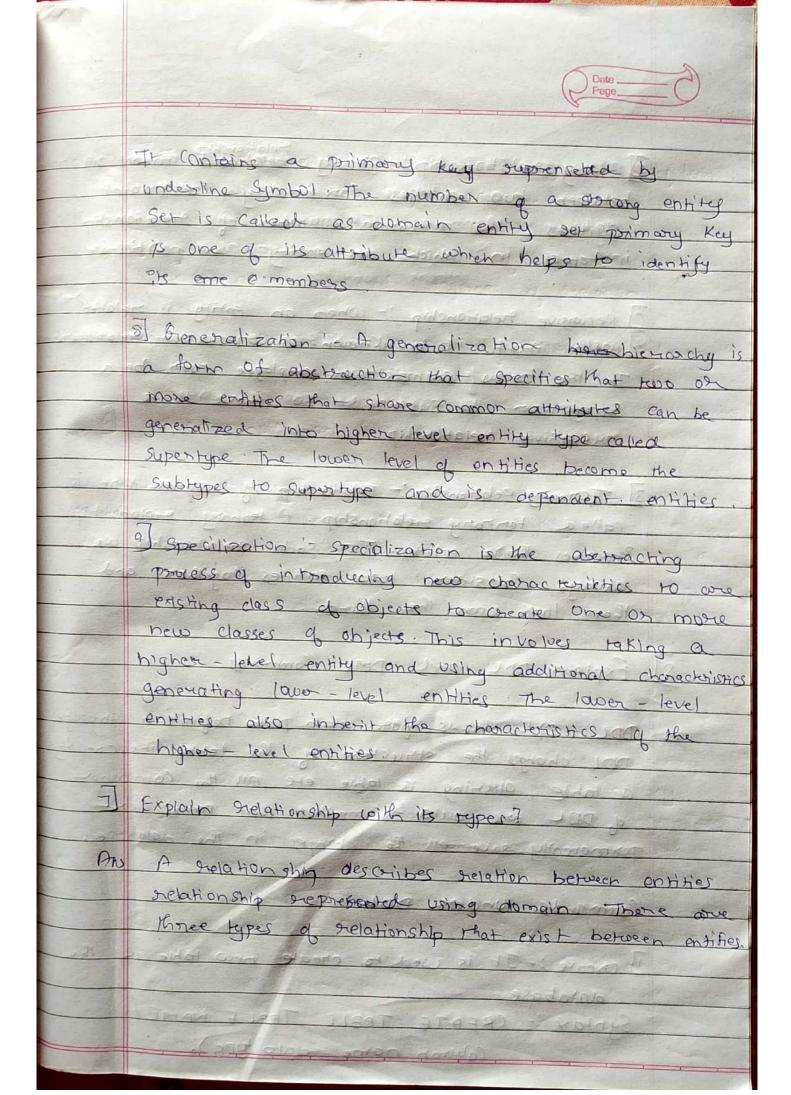
1	Sunction of DBA
An	is called a Database reliminstration DBM:
	Administrator.
102	executes the database schema by executing DDL slatements Schema includes the logical structure of database table Cheation like data type of all shows length of attributes integrity Constraints ere
	Database tables on indexes one stoned in Hot files, hours, Bt tree ete.
	3] schema and physical organization modification! The DBA provides different access nights to the users according to their The DBA carries out changes to the existing schemes and physical organization
	The DBM provider different acress sights to the users acronding to their level ordinary users might have higher traited acress to the administration per will get more acress to the administration per will get more acress to the administration per will get more acress rights.
	and the first of the read of the second of t

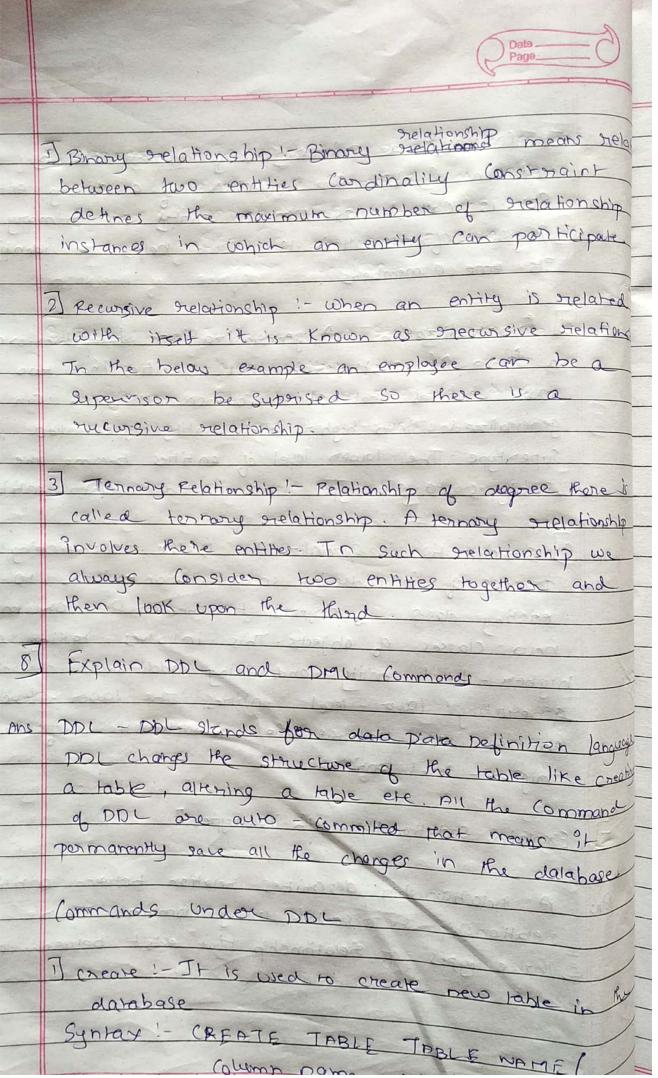
The state of the s	
5	Rose Contract of the Both State Sungar State Contract Con
4.6.4	Broutine Maintenence :- some quite mainta-
	nence activities of DBA are given below!-
	a) Taking backup of database periodically.
	b) Ensuring enough disk space is available all the
	Ame
1354	I monitoring jobs sunning on the obtabase
	el Frence il to ple transport is not decaded by some
	Expensive task submitted by same usons
	as the sender is the same in the sender of t
4	why data models are used in database? Forplain
	its components and made and alles
	rad the control models down alored - 20
Ans	A database model defines logical Structure of database
	ase. It describes the design of database to replect
	entities attribute relationship among data Constrain
	ex. Datamodel can be defined as an integrated
	Collection of Concepts for describing and manipulating data melationship between data and constraints on the
	in an organization.
rs.	The state of the s
- MG	I Hierarchical model: This database model organises
· And	data into a free line Structure with a Single
787	Groot to which all the other data is linned. The
- Alberta	historichy starts from the 900+ data and expands
232	line a tree adding child nodes to the parent nodes
	In this model a child node will only have a
	single parent node

	= laterand date male!
	2) Metwork model: - In the netword date model of steronds steronds steronds
	are presented by collections of records relations of severals relations. In
	ship among data are represented by lines. In
	this data model graph date structure is by
	This data model graph date more than man
	STATE OF THE STATE
	3 Relation model - Relational model is the most
	popular model and the most extensively used
	popular model and the stored
- Same	model. In this model the date can be stored
	the tables and this storing is called as relation
	it can be normalized and the normalized
4-	values are called atomic values each How in a
	relation contains unique value and it is called
	as tuple , each column Contains value from Sant
	domain and it is attribute
	THE WHITE THE WEST SHIP TO STATE OF THE STAT
5	Define a grama side de de de de la contra de
	I Friting: - An entity is a person, place, thing on
	event about which the Jaka are rube collected at
Tell Landing	stone de. An entity is the distinguable in each
	entity occurance is eunique and distinct
	of the on that
	e) Appribate: An appribate is the characteristic qui
- Sesiuse	entity for eg: Customer entity can be described
	the attachmente such as home in
**************************************	by attribute such as from name, phone, address
1- Aniesa	gender ouch attribute is associated with a set
- Jody	go values turner.
	HO WO WALL SHOW - FRIGHT OF SIN OF SIN OF
	A STATE OF THE PARTY OF THE PAR

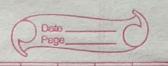
	at Tuple! - It is nothing but a single now of lable, which contains a single necessal
	a majoriali inor diportante de tido proporto
- 1	I Deepee the total number of attribute which in
	the relation is carred degree of relation,
	of condinality: Total number of rows present in the
-	table.
	and the stands of the control of the stands
6	worlde a note on following de condition
spinal .	of primary Key' - The pointing Key Constraint uniquely
	each preroud in a table primary key must contain
	unique values and cannot Contain null values. A
	table can have only one pointary key and in the
ho ing	tenble Posimary Key Consist of Single on multiple
	Column.
es dolde	b) Alternate Key - Alternate Key is a Secondary Key
LAG FA	It can be if a table has more than one candi-
	date key one of them will become the portmany
	Key and hear of one called alterbate Key
	eg :- Student Contain (warme, RAII to, JD). Here Poll
	to is posmary key and grest all columns core
	alternate keys.
which many	do a lide dista ment di saludidata sono la
	@ candidate Key: - Candidate Key is a set attribute
	that uniquely identity tupies in a table candidate
- Jul	Kuy is a Super tay with no repeated attributes,
1	The porimony Key Should be selected from the
	Can di date key

	al Attenibute and its types! - Attenibute are the
	descriptive properties which are owned by each tonis
	d an entite set. There exist a domain on set
OC 1	of values for each attribute from where me
	attribute can take the values
	Types of attributéries les
	I simple attribute: - Simple attributes are those
	attributes which can not be devided further
	2 Composite attribute: - Composite attribute on those
	which are composed of many other sample attribute
	3 single value attributes - Those attributes which can
-	rake only one value for a given entity from an
	entity set.
	I Multi valued attenibutes: Those attenibutes which can
	take one value for a given entity from an entity
	of the Setato - and other theor washes a road on the area.
t	5 perived attribute: Those attributes which can be
	derived from other attributes
	6) Key attributes: Those attaibutes which can identity
	an entity briquely in an an entity set
	The arm for Hill '- Company on His arm to be and
	primary Key It represented by a rectangle symbol-
	The stange symbol





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2) Dang !- It is used to dotte both the structure and stecond stoned in database. Syntax:- Drop TARIF TABLE NAME(

3] Al TER: It is used to alter structure of the following This changes could be either to modify the characteristics of an axisting attribute on to add new data:

Syntax: To add a new Column in the table

Alter table table name of A

Add Column name Column definition

To modify existing column in the table.

Alter table table rane
modify (adlumn definition);

DIFFIL! - DIFFL Stands for Dober Manypulation language

DIFFL Commands were used to toodify the database. it

suspensible for all forms of changes in

clarabase. The command of DML is not auto
Committed in database. that means it can't

permanently save all the changes in the database.

Commands that come under DML.

I Insent! - It is used to insent data into the from of the table

Syntax: - INSERT THIO TABLE - MAME

Values (Values, column).

