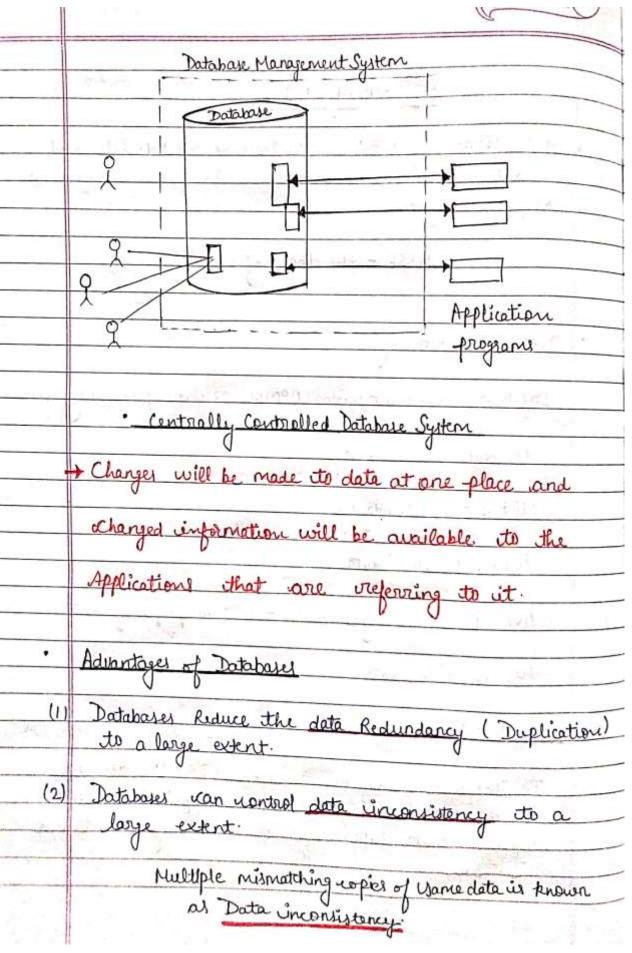
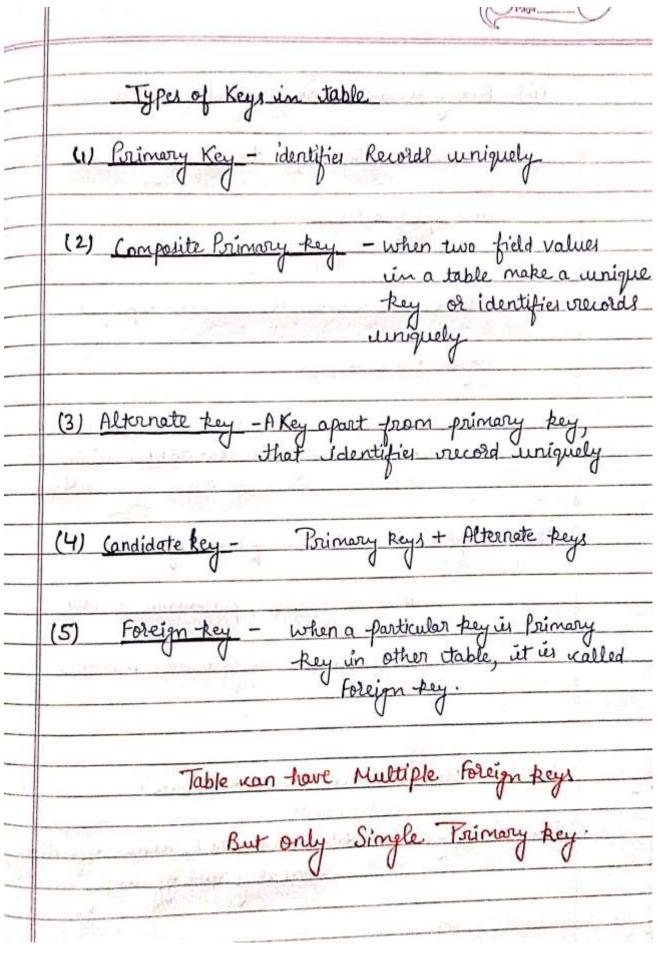
_	Introducing Databases
_	
	A database vieters to a collection of vielated data and a database vsystem is basically a computer based vecose
	a database system is basically a computer based record
	keeping system.
	BASE - the dbMS of openoffice.org
	0 00
	A STATE OF THE STA
	Database Functioning
	V
	Database Management system (DBMS) resolves followingiss
	(i) data inconsistency
	my star made to the second of the
	(ii) data redundancy
	at the common set that is turned a contract
	(iii) unsharable data
	The state of the test of the state of the
	(iv) Unstandardiged data - Not in proper format
	0 ' '
	(V) unsecure data
	How Database works?
	TOTAL
	In Database Management system (DBMS) all data
	vieguire that data refer to centrally maintained
	require that data refer to centrally maintained
	Database:



(3)	Sharing of largeamount of d	ata
(4)	Data istandardias per the g	Database
(5)	Databases van ensure data	Security
	Flot US. Re	Iotional Data bases
	· when date in istoled in	· when date is stoled in
	one file, it is valled	rultiple tables that
	flat database:	are linked via common
		fields, it is called
	eg Spreadthoot	Relational Database.
	eg Spreadsheet	Relational Database.  (RDBMS) - Relational
	eg Spreadsheet	· (RDBMS) - Relational
	eg Spreadsheet	· (RDBMS) - Relational Database Management
	eg Spreadsheet	· (RDBMS) - Relational
	eg Spreadsheet	· (RDBMS) - Relational  Detabase Management  System is the  Software for handling  usuch database.
	eg Spreadsheet	· (RDBMS) - Relational  Database Management  System is the  software for handling

		E - DRMS 0			11	_			
1	· File extension of a BASE dotabase is odb								
	<b>о</b> в	ASE offers follo	owing features	for managin	g data:				
		(i) Tables				_			
		(ii ) Bueries				-			
		(Tii) Forms	diam'r	1					
	(iv) Reports								
	The state of the s			and the	orth de				
	(i) Table in a Relational Database in valled Relation								
	Con some that Table								
	Components of Table								
	Fields Records								
(P	Primary Key) Fields / Attributes								
9.		, 0	/	\	-				
	Nia -	1	<u>,                                     </u>		, >,	_			
200+11	Several Control	Salerman No.	first Name	Sales	Target	1			
		→ EA-01	Rohan	2200	0.5.50	+			
Record	11	> SO - 02	Rishi		2000	-			
	-	→ EA-23	Rohan	2300 2800	1800				
New Y		7 - 3	The state of the s	2000	2600	+			
NO.									



# (1) Primary Key

Roll No.	Name	Marks	Admission No.
1	Raghav	79	511
2	Simrat	69	662
3	Jacob	78	423
4	Yakub	72	701
5	Venkat	92	405

# (2) Composite Primary Key

Com	nposite Primary ke	у		
Roll No.	Project	Name	Grade	Teacher No.
1	S. St.	Raghav	Α	SS01
1	SUPW	Raghav	В	SU05
2	S. St.	Simrat	A	SS04
2	SUPW	Simrat	A	SU05
3	S. St.	Jacob	В	SS01
3	SUPW	Jacob	В	SU02

# (3) Alternate Key

Primary key	,	12	Alternate key
Roll No.	Name	Marks	Admission No.
1	Raghav	79	511
2	Simrat	69	662
3	Jacob	78	423
4	Yakub	72	701
5	Venkat	92	405

### (4) Candidate Key = Primary Key + Alternate Key

### (5) Foreign Key

rimary key	Projects Table	Foreign key	Primary key	Teacher 1	able
Roll No.	Project	Teacher No.	Teacher No.	Name	Subject
1	S.St.	SS01	SS01	Tanvi K	S. Studies
1	SUPW	SU03	SS02	Misha K	S. Studies
2	S.St.	SS04	SS03	Guneet S	S. Studies
2	SUPW	SU01	SU01	Steve P	SUPW
3	S.St.	SS01	SU02	Subhi S	SUPW
3	SUPW	SU02	SU03	Zainab A	SUPW

(ii) Query is a estatement that provides a  particular data as per the wanditions:  and specifications:  (iii) Form is an interface in user specified  layout.  Users can view, enter and change data directly in the table cusing a form.
(iii) Form is an interface in user specified
(iii) Form is an interface in leser specified
layout.
•
data directly in the table using
date directly in the table using
ua tolm.
(iv) Report in date in printed formet.
It is a formel, presentable printed
document un a formatted manner.
Ques- How to design a database?
And. Designing of database ishould be done effectively and efficiently.

	Steps un designing detabase one as under:
(1)	Determine the purpose of your database
2)	Determine othe tables you need
(3)	Determine the fields you need
4)	Identify the field of fields with unique values in each
	recolds
	the state of the s
(5)	Determine the relationship blw tables
(6)	Refine your design
(7)	Enter data and ureate other database Objects
-	
	Creating Database and Tables
Sta	erting 000 Base
BI	ISE window icorreponents -
	(i) Title Bar
	1ii 1 Menu Bar
	(iii) Toolhar
	(iv) Database window
	(V) Object Buttons - Tables, Queries, Forms, Report
-	(vi) Status Bar

· Creating Base Database	
	Samuel and the same
	7 -
1) (reating New Database	(ii) opening an Existing Databa
V I top and and	and the second of the second
(i) Creating New Datab	ase
til alich on	create new database
(IT CLUCK ON	State rand sandfast 2 (†)
(ii) click Next	2.3
(iii) click on E	open the database for editing
Ø	create itables using the itable.
Wilking along the Control of the Control	wigard
State and the other of the	o control stop extra
(iv) Click Finis	is and give name ito your
	June
database	1 m-14 m- 3 3
and the second second	and the same of th
(ii) opening an Exis	ting Database
111 200 4	Tracility of the ASAR * 1
The second secon	open an existing database file
(ii) Select	from Recently used
o%	
0	from the folders

(iii)	lick finish
4	Pro De la companya della companya della companya de la companya della companya de
Creatin	g Tables with Table Wigard
	J
	(i) Click on the table
	(ii) click on we wigard to create table
	[iii) Calcationteral O. R
	(iii) Select kategory O Business o Personal
	(iv) Specify fields for table
	(V) Set Field Types and Formats
	(Vi) Set Brimary key
	(Vii) Specify name for the table
	(viii) Click Finish