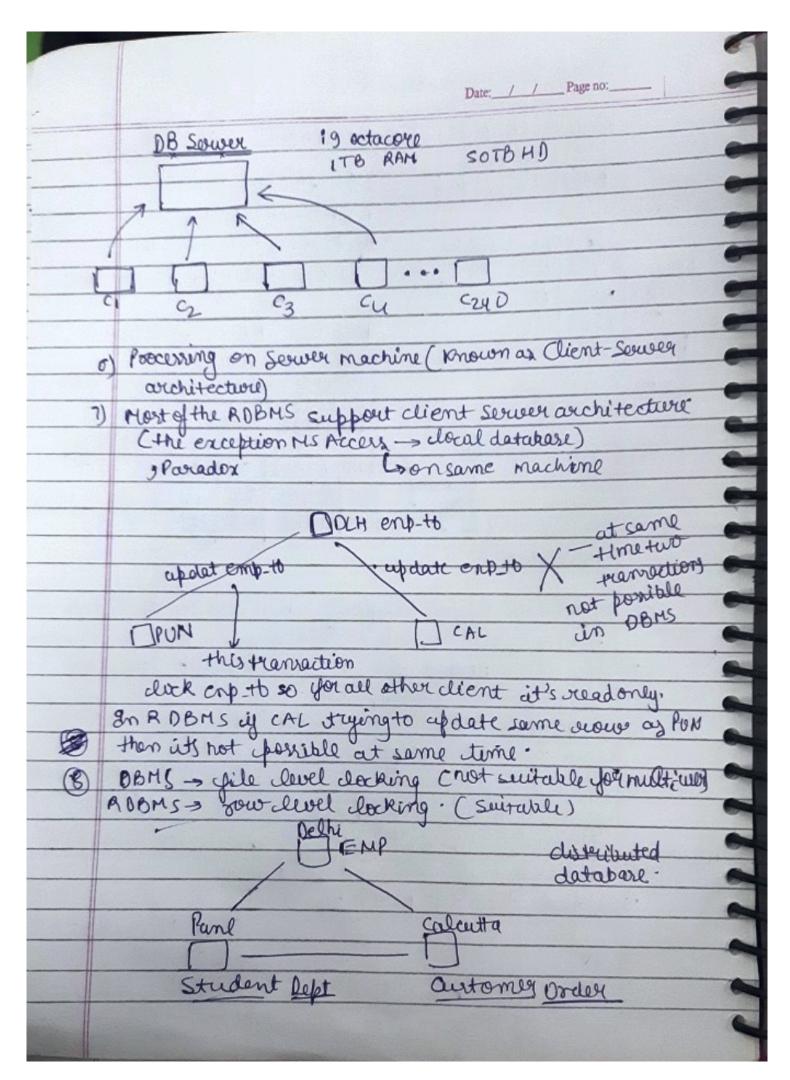
	a sauce - cood he col
	Computer - charles Babbage Sybare ROBHS - wed by Sybare
	s enous as the difference Engine.
	Databal Technology Date: / / Page no:
当	SOL
⇒	BT ROBMS - relational DBMS
	RDBMS +000 BMS (Object Oriented OBMS) -> OR DBMS
Genell	(Object Relational)
	Intro to NOSOL (Not only SOL) (new technology)
	(type of OBMS)
	Mongo Del v 3.2 (Mongrosse DB)
>	My SOL > D'ainto meaningful cinjormation (Processing) (Courted)
(]	uput) (Processing) (output)
Do	ia -> computer -> Information
(Paus	facts) (Hearinful data)
Chear	(data ancish os basis
022-22	021984 you contable some action
	or the mangement take
	Antohar = (allestion)
	10 20 30
	a dange amounts 40 50 60
Variou	of data.
081	Is ex! - Ms Excelidance, Fragon, Obvista, Dataens.
Coo an local) FMXIIVO
ANS	I aginition > DBMs is a collection of programs to Inevity
	appeare, delete & process.
Ms	Excel -> S31. of work done in IT industry.
-*	Ms Excel program is known as Macro CUBA programme
	ing)

	Date: / / Page no:
-	MyGOL (ROBMS -> Relational DBMS) as Field
-	MS Excel co File
	DBMS VS ROBMS MYSOL JMS SOL SOWEL
tile	Table a. Attendets/Column
	[DFPI] field b. Ruple / Row / Entity
DEPNO	DNAME LOC Attributes/ C. Table, Relation, Entity class.
010	Pbc NU Court
20	Def DL Diff bow DBMS VS ROBMS
30	Ghi PU 1) diffor nomenaclature.
- her	ord / Tuple maintaine programationly.
	E - 1 1 - 10-
	Dept Tab
	ENO ENane Sal Pept NO
•	pen 101 Such 200 10
	102 Sudha 100 20
	Constraints
2)	In ROBMS relationship b/w 2 two com be specified at
	otime of table correction: (e.g. foreign key constraint)
3)	More time needed don s/w development Us less
	time locs/w development.
u1	In NBAS we have chigh network traffic, in ROBMS we
	chave now network traffic
5)	secured the printing will be secured to the player have
	costour of cheapen (antenney of emillion)
	Jarter & cheaper (Internsof fune) Jarter & cheaper (Internsof fune) Jarter & cheaper (Internsor fune) Jarter & cheaper
- wintowno	hardware notioning the costs client accessing
·in	knotolata, data cost money. 0 BMS - file from delhi.
•	copy to lune, -> then
•	go back.
	RD BMS-> done on server
	η σ το γ του γ το σ το

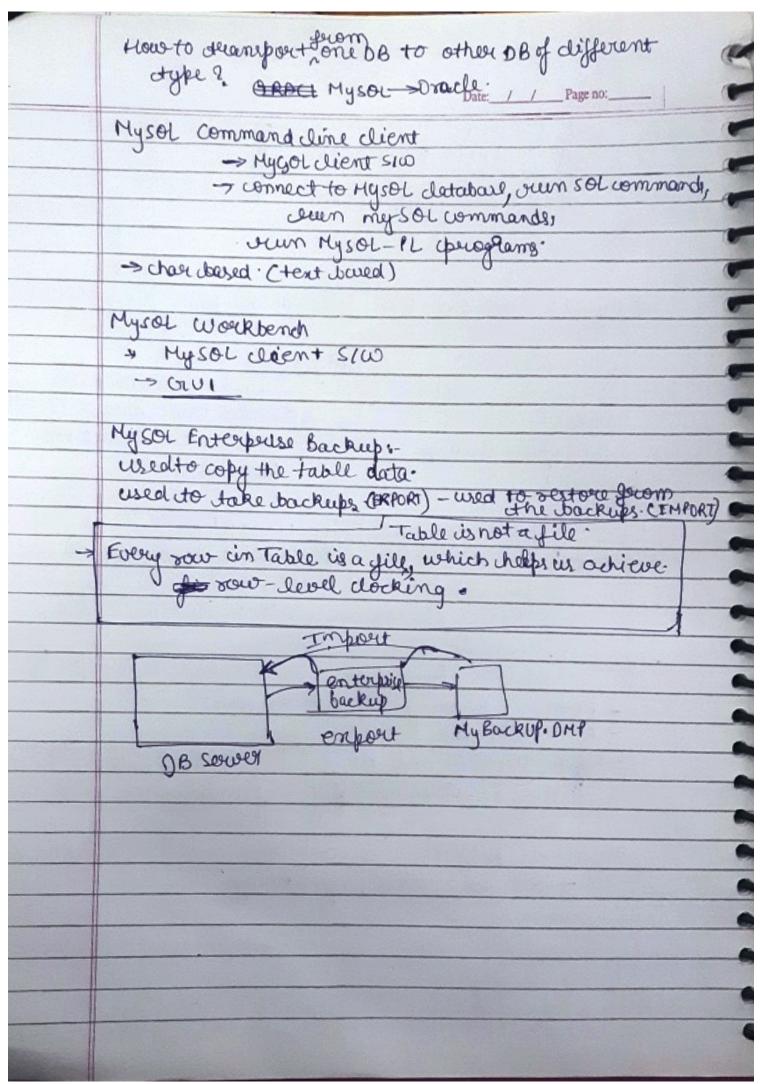


	to be a local mathematical math
	What is the benefit of keeping detabases distributed softer than keeping them at one place?
-	than keeping them at one place?
	Emphoret distributed dotabares not support, while ROBMS
	Support distributed dottabares.
eg	1- Distributed databases: - (Banking System; book myster)
•	s- Distributed databases: - (Banking System; book myslow com)
10	an DBMS, there is no security.
•	K D D L C D L C D L C D L C D L C D L C D D W L D D W L D D W L D D D W L D D D D
•	- Object level security (Permission to access the Utable of Other Users)
•	- Object level security. (Permission to access tables
	Oscampot access the Utable
(1)	DBMS - allow access to data through Os.
	Partition.
How so	
-	SOUDED SOUDEN SOUDEN
Si'de	OS 2 Croane Service amongo. Com (2008) S/W
•	TP address -> 192.216.0.0
	C: D:
200	Mysolob(s/w) u pomovid wirdows con't undentand ors
	MUKALOB (S/W) 2000000000000000000000000000000000000
\Rightarrow	mysolob (s/w) is por understand OPS
	Client Machine
	OS-> Linux.

	Oracle Trc. > largesty S/00 company in the world.
	Oscale Trc. > largerty S/co company in the world. S #1 commorcial programing how to be done in arremally. Date: // Page no: Intermed Valuous 90BMS available Oscale (most popular Sybare ROBMS)
-	Date: / / Page no: to the sea much
	Typosomire (glastest) processing
->	Various 90BMS available Oxacle (most bahuse speed)
	Sybare ROBMS)
	DD - 7000 KIIDIN
	My sol I BH (main/erenne) N. Access Single User
	Parties single user
	Postgres - open source.
	Chattan Am and a fine
2	Coreate an Oracle Account.
2.	Subscribe to Oracle Mysol, and Java New Meter.
8	Subscribe to Gragagine.
ų.	
	ain client-sewer environmet.
-	83% in Internet envisonment.
-	coords on 113 OS.
1	
	MS GOL Seewer - good ROBHS
	- competition for Oracle.
	- competition for Oracle. - 16% - 17% of market.
	- only worth windows os.
wh	at database used in android?
-	
	NI -OL
=>	My sol was varianched by a swedish company 1995.
	My sol was varanched by a Swedish company 1995.
->	Foll open source projects that orequire a RDBMS often
	we my sol cy; facebook; Twitter(X), Flicke, Integram.
	Grandbury to be 2 start to a conduction
	Google (though not you searches), voutube, wordpress
-	> Groogle use Bigtable for seaches.
->	mysol is a part of widely used LAMP open -source
	web application software stack.
	all apparent to a series
The state of the s	

SOL is common you all ADBMS

	Date: / / Page no:
	L→ Linux w → windows M > Mocos
	A -> Apache aleb server. A A
	M -> Mysol
	P -> Perch of PHP X-X- windows
	A
	H _O
	A 11.5011
\Rightarrow	Mysol: - various s/w development tools grom Mysol: Is what they do.
	avorkbench Mysol database
	connectors - Mysol DB sowers/W
	Notifier - store table data, retrieve
	Enterprise Backup data, secure the
	tabledate, etc.
	SOL - CRUD
	ANSI standards (e.g. 1 char = 1 Byte)
Cen	downsto i Iso standards (gor quality Asserted)
	- downard and I pri (1913 11)
	- Initially oreated wring C/C++ (90%)
	name 1 (200011906 C10%)
	- carlier known as ROBE (relational query by
	- I DIT fave RODE grat of Con do FINST
	-ANCI remarked RABE to SAL!
	- now controlled by ANSI (and homo common for all)
•	- cin 2005, entitle source of of source ten cin Java.
•	
•	MgSOL-PL (programming danguage)
	Mysol-Pl (programming language) - used for autobase programming
•	
ALCOHOL SERVICE AND ADDRESS OF THE PARTY OF	



-	Karachi Stock Exchange
	Date: / /, Page no:
•	Mysol- sol Cskycturod angual (mayor)
*	Mysol-sol Cstructweed query language) (scommon you all Chence also known as standard
-	
0	DDL -> data definition language (Greate, alter, drop) DNL -> data manipulation danguage (Invert, update, delot)
	OML -> datamanikulation danguage (Insert, update, delot)
	DCL -> Data control language (Coront, Revoke) (cate
	DOL -> Data Onery language. (Select)
> poty	TCL - steamaction controllanguage (commit, sollton)
- Notar	Savepoint
AN SI Standard	DOL -> Tourcate, Rename
	> delete & commit.
- ectain	entra un oraclo ROBMS only!-
Mysol	DML (Merge, Uprey) supdate to Inevet
ROBRS	Greenge data of two tables.
Osacle	0
ROBAL	Releagor Tablename:
	1) mar 30 characters
	2) A-Z, O-9, a-Z , _
	3) Under Grun & Unix, table name & column_name are
	Care-sensitive but windows & Malos we not
	Carl-sensitive.
	@ Tablerane has to begin with alphabet.
	EMPRORY - esoured.
	(A) - 1 - 1000 & the CHO collaiged.
	(5) Special characters \$,#, _ we allowed.
	an my social are outstand outstand out site in back
•	in tablename and columname, en close it in back
•	quotes. EMPH
	Musel Decrement
	34 overeused words un tablename > Mysol Documen-
	TOUGH

	Date: / / Page no:
	Java Documentation https://docs.oxacle.com.
	EMP
	EMPNO ENAME SAL CITY DOB
,	chave float date.
Bench College	Mysol Datatype:-
-	-char: It allows any character (could be alphamoricals)
1 31	nann 265 characters 1 1 1 1 1 1
1	
	manim 65535 charactor. No default width (width has to be specified) sourcable clength
*	
	AMIT Spanded with blanks (writinge of space)
	varchar(20) - not padded with blanks. (convervestace)
	AMIT
=)	Jest length of char, searching to retrival is
	Chour of Varietar
	Slaviching us Houddisk performance space
=1	there -> PANNO., Mobile No., UIDAI -> fixed length -> varehour -> city, name etc.
=>	long-text - allows any character (could be alpha-numbin) - mark U,294,907, 295 Characters (40tb-1)
	- mark 4,294,907, 295 characters (4006-1)
	eg: Remarie, conments, Rerume, Experience.
	- this detatype, culd you those columns, that are only
	gorstolage & display purposes.
Marie Comment	

	Date: / / Page no:
	net used for those columns that would be used for
	searching variable length.
-	width does not have to be specified for this datage
	F YPERIENCE Opportest
	EXPERIENCE long-teget. Alongtent Ring experience
	EMum EName E Experience Soil
	181 Ring (00 5000
	102 Owen 200 6000 100 owen exper
the	se age bandhick &
point	er Anoun as locator for longtent Mysol
	Stores address Experience outside 200
	table, and address stored in column
	eto maintain performance.
-	My SOL maintain a LOCATOR (hord disk pointer) from the
	clongtext column to the clongtest data.
	0
) =>	BLOB -> Binary clarge Object.
	Long Boob: - allower afto 4 G1B-1 courter of binary date. eg: Barcodes, Orcodes, Jingerprints: Biometric. Photographs, charts, graphs, maps: Sound. Sound convert to binary.
Y	eg: Barcodes, ORcodes, fingerprints, Biometric.
	, Photographe, charits, graphs, maps, Sound.
	convert to Shinow
	South chinary
-	stores the data as character string of 1's and 0's. this is the multimedia datatype of Mysoc.
-	this is the multimedia datatype of Mysol.