	Unit - V.
	NOSOL: (1998 Callo Strozzi)
d secretar per da se sema del deservi	(1998 Callo Strozzi)
	NOSOL Stands for NOTSOL OV NOT only
٥	9t i just appostre aux SOL.
•	The idea of Nosol founded in 1998.
	with term light weight, schema ley.
	he carlo grozzi
<b>6</b> ,	194 is non-relational database mano.
•	2t does not exequire fined schemo.  It avoids joins
•	It avoid join.
<b>&amp;</b>	It is early to scale:
•	It is greater fleribility then SQL
	because of store data chuchused
	semi-christianed and contractured in
•	the form of graph, chart object, etc Lack of Standardization of querry languages.
	V Comment of the comm
<u>p</u>	The puripose of using NO SOL dotabase in Jordan dotabase and whose with
	homogenen distributed data stone with
	nomogeneous data stadage.
The same of the same of	Hime web approation.
and the same of	ex- Mongo DB, Big Table, Reyan DB.
The second district of the second	Reais, Canardera
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	Date: Page:
#6	rief History & NOSOL Databases 8-
1)	1998 - Caulo Storozzi Caulo Storzzi med the team No:SOL yor his light weight, open somece enlational database
(تغــــــــــــــــــــــــــــــــــــ	lvaph destabare Nevyj i lauched
Tei)	2004 Croogle Big table is lauched
(ci.	Couch DB is Januar ched.
) )	2007 The sereasch paper on Amazon Dynamo is lacroched.
<b>v</b> ))	Lacebook open sources the carendra Project
V;)	The team No sol was Re-inhoduced

# feature of No SOL: Non-selational 3- No SQL database never follows the elelational model. never perovider tabler unter flat fixed column necords. Does not enquire object dellational mapping 4 data Normalication. No complere peaturer like query language, enjevental integrity, join i acid projekti-Ochemo-free :- No SOL databarer auc either schema per or hove related schemai Do not seguire vary short of definition of the schema of the Idata the same domain-BERRIO HORT' in) simple API : offer eary to wer Interface for change and querying data peroudded A Beleation method -(printer bounds 102 og) -8 potudinteld Muetiple No sol databale con be expertent din the assembled fashion. Offer autoscaling and fallover Only preoviding eventual convictency

			Date:	
	Type of 1	VOSOL databare	Page:	
	0		1	
	Key Manie Horal &			
0	Column - oriented database			
3	Document based database			
(A)				
	Greyh bared databare			
1)	Key 10/110 Ct - 6 8 9-			
	Data i stored in pay-value pain.			
when	e Starrage do	vabare stores	eus pay.	
	hash table	behave con to		
	hash table where each key is unique			
With the groups of the side of	4 the value can be (JSON) (8108), (STRING) etc.			
Action Commence of the second page of the second pa				
	Key	Value !		
	Name	Joe	<u> </u>	
	age	42		
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an en a constitución de company a constitución de company de constitución de c		1.3071		
The second of the second secon			, P	
	eg - Redis	Dynamo, Riax		
March Variation and March comments and production and		Max Max		
21	Column - On	ented days		
in the same of the	Column - Oriented database; It works			
at an analysis desired the property of the second	on column & are based on big table paper by Crongle , every column is			
and the provider for the analysis of the second of the sec	treated c	and vator	orump u	
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The congression wilder an internal and constitution of	of single column do the arapely vame			
and the second section of the section of	Every when is the ared separately value of single column database are stored with egy of the ASE, Canadasa. A try persente			
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	J	TONO COLO	A thy persente	
			1 to	

Column Jamley Column None Vame Value Value Column Name Key key key volue value value Document Based database :-3) Document - Bared database stored and ferreve data ai a prey value poir what value part is stored as a document The document is stored in 1500 or Rose ou me format. DOCI Doc 3 eg:- Amozon Simple DB. Couch DB mongo DB Riole Lotus Notes

A) bragh Based Database: lingph type Database stores the ensities a well or relationship ble those entitle. The entity of stored or a mode with the elelationship or edge. In edge giver a relationship b/w noder Person wice ( Rating to coved in address exi- Neo4; mignite graph Owent flock BASE purpoutier of NOSOL Database: Barically Adodhabie Eventually Consistent BASE properties berong to RDBMS

Barically Avallable: The System world all the time ovallable in case of Jalure:

Jalure: The data source doesn't hove to be comissent all the time Eventually consistent :- Not Immediately convicient, but at some point data well consistent a No guarante about when this built be occur. # CAP Theorem :-C-1 consistency A - Avallablety, P-1 passition tolerance CAP theorem states that network shared of the following three categories. S) Consistency &- Consistency mean that the mode well have the came copies of a supplicated about item visible for various transaction. transaction. the same view of date. a network of pourtion must be able to respond in a measurable amount of time.

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w)	Paulton tolerance &- It means that the
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	two capabletties CP
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<u> </u>	autable)
( +1	(aivition tolerance)
9)	CA (Consistery or Avadeablisty):
	System elemond last undated notes
	promise highen Avallablisty.  eg:- ROBMS, Postope SOI)
	'eg: ROBMS, Postque SOI)
b)	CP (Considercy factition to exame):
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	respond last updated anta.
The second secon	egi- HBare, Mongo DB, Peais.
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()	AP (Availability Parolion tolerance):
	Lystem can be distributed & purmise
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til figger sig sjenning grefer stateligge ste skrigger om i regjer å skilde en å en skrige skrige.	eg: - (avandra, couch DB, Rak, Dynamo)

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# RDBMS VO Mongo DB 3mongo DB. ROOMS Datare Databare Collection. Table Downent Tuple / Rom field Column embedded Table Join

The most popular dettise NOSOL database is an opensource, abournent oriented databaie, simple mongo DB document Stucture.