## NO-SQL DBMS provides mechanism for storage and retrival at juty There are three main types (Relational DBMS) - OLAP Conline Analytical Processing) -> NO-201. 1) RDBMS L) 59L -) My sol server -) Oracle -) Mosal Access 21 OLAP - OLAP is based on the maltidimensional data madel It cellows managers and analysts to set an insight cut the information through fast, consistent, and interactive access to information 3) Nosal A NO SQL dutabase is a dutabase that provides a mechanism to store and retrieve data other than the tabular relations used in relational detabases.

100 - ON Management These dutabases are schemu- Free, a simple API, eventually consistent and can handle hype amount at duty \* The primary objective
- Simplicity at design
- Horizontal scaling
- Finer control over availability These dutabase store both - structured duty - unstructured duty like andio files, video files, Loy cuments 9010 \* NO-501 database are classified.

into three types and they

are explained below 1) key - value store: These dutabuse are designed for Storing duty in key-value pairs and these dutabases will not have any schema.

Indeoced Key und a value for

ex: Beskeley DB, Cussandra Dynamell Rainly

2) Column Stock :-In these dutabase, duta is stoned in cells grouped in columns duta, and these columns futher grouped juto column families ex & BirTuble, Howe , and Hypertale 3) Document Store: - There are the dutabuse developed stones where "documents" contain more complex daity - These one designed for storing, retrieving , and managing dorumai oriented information, also known as semi-structured duty. Ex: Couch DB and Mongo DO \* What is CouchDB? wes JUON, to store duty Coocuments I java script ou its query ylanguage to transform the documents, HTTP protocal or api to access the documents. the indices with the web

\* Why Couch DB? - Couch DB have an HTTP-based Rest API, which helps to communicate with the database. And the simple structure at HITP resources and methods CLIET, put, DELETE ) une easy to understand and use - Provided with powerful duty mapping cehich allows querying, combining and filtering the information. \* Couch DB Curl 88 Fution cuteo with couch DB. It is a tool to transfer duta · From on to a server, using one at the supported protocals. CHITP, HITTPS, FTP, FTPS, TFTP, DICT, TELNET, LAAP, OR FILE) - cupl offers a buloud cet wether tricks like propy support, user authentication, FTP upload, HTTP poll SJL connection , cookies, file trumsfor

(HITTP) Esta chemien specifies 4 when communicating with the CHITTE ) Extra houser is used when getting a web page. Using this flag at CUPL, you can send dutes along with the HITP if it was filled by the week in the form and submitted. Using this flag, URL writes the content of the nequest to a file O Fdag This flag is similar to -o the play, a new file with the sume name us the requested was created and the will be copied to it:

=> List at All Dutabase of civil . - X CRET http://127.0.6.1:Jing =) creating a putabuse · you can create a dutabase in header using the following syntax. \$ "CYA! -X PUT . http:// 127.0.0.155989) mes with 19 to the party dustribuse have 3 7718 234 ATTELL WOLD 1744 \* Futan &- who were Futon is the built-in , web bused, administration interface at couchDB Dutabases : - - create dutabase - Destroys dutabase (- themenson Creates documents -) Oplites documents themenson this of Deteles documents