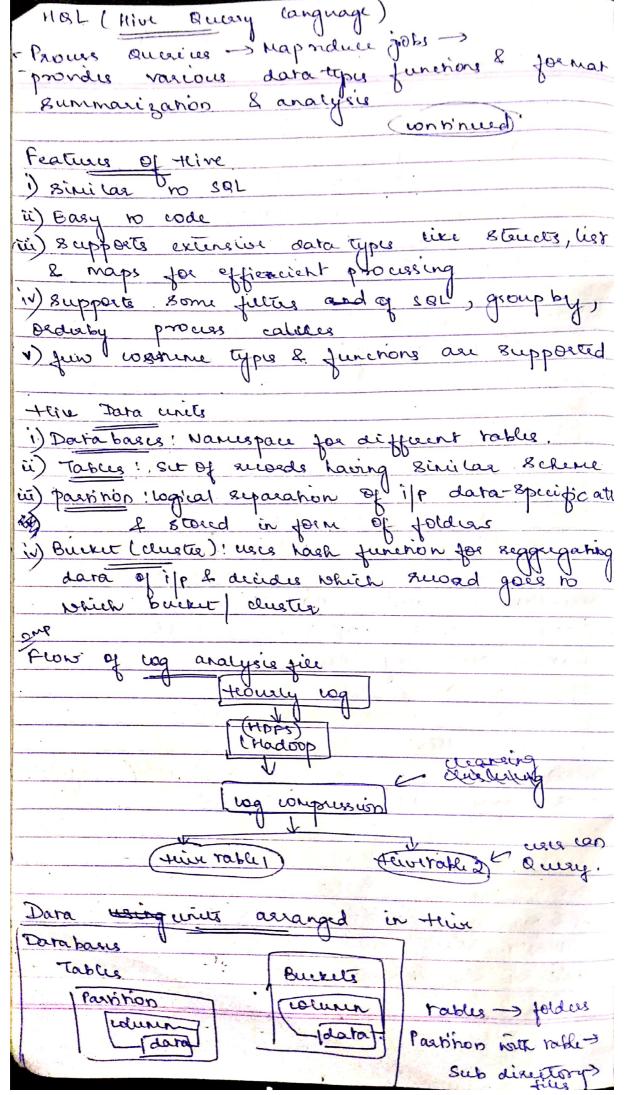
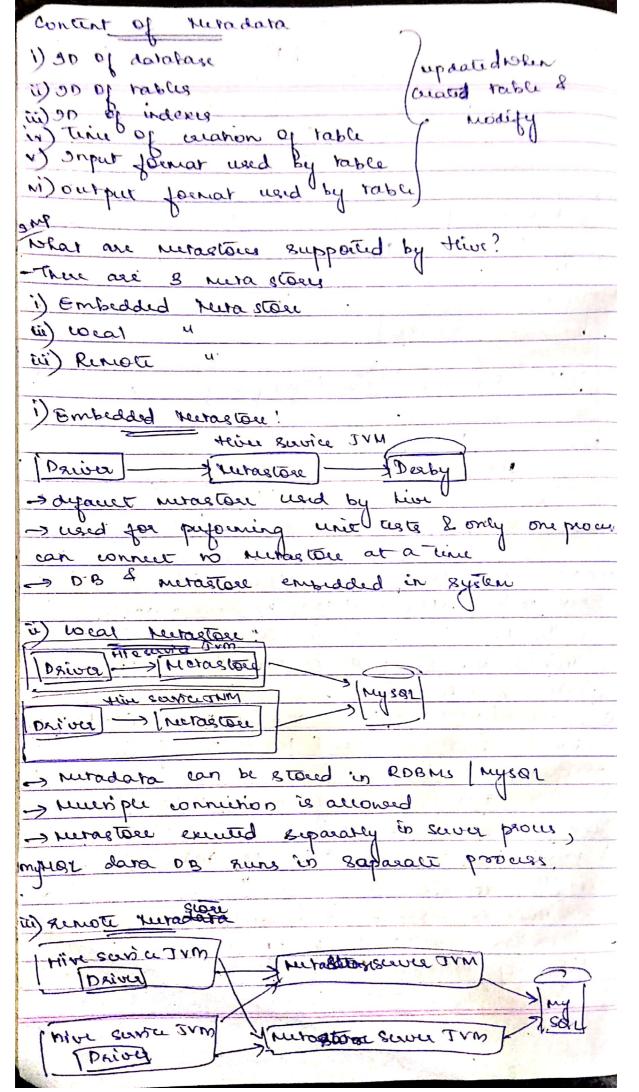
-tive - data washowing tool - very structured data on teadoop

- very 110Ps for storage & execution

- Metadata is stored in RDBMS - Dara rauchouse applications - suitable - Barca processing jobs Eg: web eggs & Application logs by Facebook - analyse incoming log date e hadoop - Rub project heient seleace teive 0.10 -Barch processing - interactive data - transaction & ADID. - Read only dara substantial & L - cost based opinion - tive QL tables



41.2.2.2 thit be Serviblence Do dientery " By was deartify fortion (Lokuma (courses) (MOW) CROWS Aschitecture of tews ( = -8 mars) Hier tive not interface tive command line inespace Driver (Quey couple, Exercing Hive Stever Metastore Job Garre HOPS Tast butter but +lad oo - interface used to intract with the directly used to communicate with him & execute Quey. Hive servey - optional served, to if p muote clust can be subhitted from JDBC ODBC - John JDBC client we need to programs to come et sur to deive. is perior - query & execution 6) this invasione? to the tables. - interface to have - mera score service mapping diff of database Alle San Waar 1983



	-> key sor DB & farmered from user	
	-> underviale of DB all company	
	-> Drive & Lutaglass have separate JVM & marjor	
la pic.	executed in different Machines	
	La Propinsion of the Propinsio	
	Data types of the	
	Opliseellance no	
	Premisor	
of Manha	6 Dara type Dara type booken	
	1) T2NY2N7 (16/2) i) sauct- burary	
ea. or british, or	E) CMALL 2N7 (2 byth) C' Sleuchuse, accord using ()	
	a) 2NT (4 by a) (i) nap - sequence of & value pain	
	i) B26 2NT (8 byth) accused using [] i) B26 2NT (8 byth) - Singupunision in array - similar data illus i) FLOAT (4 byth) - Singupunision using tides	
-	v) FLOAT (4 byth) - Singleprecision   Sun as add sources	
	vi) DOUBLE (8 byth) - double "FP - accessed using volk	
Ostaing lips		
	ate or ahe	
ij	amilable to	
4		
	ii) CHAR Dressin of 0.120 4 0136	
	in) CHAR	
	File formate in Hive	
	File formate in Hive	
	File formate in Hise  Durt file . @ Refile . @ sequential file	
	File formate in Moe  Otiet file D'Refile @ Requestion file	
	File formate in Mee  D'art file D'Refile @ Regilennial file  tein quords & enoded in file  (Out of the property of the propert	
	File formate in Hice  Other file Drefile @ Requestral file  tein quords see encoded in file  Or default file, separate accounties (CRTI+A)  Order default file, separate accounties (CRTI+A)  Order file formate in Hice	
	File formate in Hose  D'unt file @ Refile @ sequential file  tein awards see encoded in file  The default file, separate definities (arti+A) -  Separate different fields, (arti+B) -> separate area,  separate different fields, (arti+B) -> separate area,	
	File formate in Hise  D'Ext file D'Refile D'Exequential file  tein awards & encoded in file  tein awards file, separate definities (Orti+A)—  Ordinat file, separate definities (Orti+A)—  Reparket different fields, (Orti+B) -> separate area,  Retaret alements, (Orti+C) - separate key value pais  Retaret alements, (Orti+C) - separate key value pais  Retaret alements, (Orti+C) - separate key value pais	
	File formate in Hise  D'Ext file D'Refile Brequential file  tein records & encoded in file  10 - default file, separate definities (arti+A) -  Beparette different fields, (arti+B) -> separate area,  stanet elements, (art +c) - separate key value pais  stanet elements, (art +c) - separate key value pais  stanet elements (art +c) - separate key value pais  sometiments in key value pais, allows coupsession	
	File formate in Hice  Other file @ Refile @ Breguenical file  tein rewords & encoded in file  tein rewords & encoded in file  Or default file, separate accounters (art + A) -  Beparate different fields, (art + B) -> separate area  separate different fields, (art + B) -> separate area  starest elements, (art + C) - separate key value pair  starest elements, (art + C) - separate key value pair  starest elements (art + C) - s	
	File formate in Hice  Other file @ Refile @ Breguenical file  tein rewords & encoded in file  tein rewords & encoded in file  Or default file, separate accounters (art + A) -  Beparate different fields, (art + B) -> separate area  separate different fields, (art + B) -> separate area  starest elements, (art + C) - separate key value pair  starest elements, (art + C) - separate key value pair  starest elements (art + C) - s	
	File formate in Hise  Duxt file @ Refile @ sequential file  tein awards see encoded in file  1- default file, separate definities (arti+A) -  separate different fields, (arti+B) > separate area,  stant alements, (arti+C) - separate key value pair  stant alements, (arti+C) - separate key value pair  crutine, 10 operations?  Services, 10 operations?  Services, 10 operations?  Services, 10 operations?  Aggregation 69: 9 02 03 04 00001 fromp  aggregation 69: 9 02 03 04	
	File formate in Hive  Durt file Drefile Drequential file  this quonds on enound in file  10-3 default file, separate activities (extital)—  Reparkte different fields, (extital) -> separate area,  Retault elemente, (extital) -> separate key value pais  Retault elemente, (extital) -> separate key value pais  Crotine, 10 operations?  Services de commosfile -data stored in commens, supposts  aggregation 69: 9 c2 c3 cy  row 1 fromp  aggregation 69: 9 c2 c3 cy  1 2 3 4  2000 miss distribution 5 c 2 8	
	File Formate in Hice  Otaxt file @ Regile @ Regileminal file  their records & encoded in file  Orderet file separate accounties (certi+A)—  Reparkete different fields, (certi+B) > separate assay  Retruct elements, (certi+C) - separate key value pair  Retruct elements, (certi+C) - separate key value pair  Crutine, 10 operations?  Orderet in key value pair, accords coupression  Crutine, 10 operations?  Ordered columnagilles—data stored in columns, supposts  organization 69: C1 c2 C3 Cy  row 1 foup  aggregation 69: C1 c2 C3 Cy  row 1 2 3 4  row wise distributes 5 6 4 8	
	File formate is Hose  Other file @ Refile @ sequential file  this rewords & encoded in file  The default file, separate securities (exti+A)—  Repartete different fields, (exti+B) > separate area,  Result elements, (exti+C) - separate key value pair  Result elements, (exti+C) - separate key value pair  Entitie, 10 operations 1  Entitie, 10 operations 1  Entitie, 10 operations 1  Entitie, 10 operations 1  Entities, 10 operations 1  Entitle 10 operations 1  En	
	File Formate in Hice  Otaxt file @ Regile @ Regileminal file  their records & encoded in file  Orderet file separate accounties (certi+A)—  Reparkete different fields, (certi+B) > separate assay  Retruct elements, (certi+C) - separate key value pair  Retruct elements, (certi+C) - separate key value pair  Crutine, 10 operations?  Orderet in key value pair, accords coupression  Crutine, 10 operations?  Ordered columnagilles—data stored in columns, supposts  organization 69: C1 c2 C3 Cy  row 1 foup  aggregation 69: C1 c2 C3 Cy  row 1 2 3 4  row wise distributes 5 6 4 8	

but in RC file Joineat			
it is distributed in column bise			
son drond, wond			
*1 (\$15 8); 9: 13;			
82 ×3 ( 10 14)			
8 7 11 15			
8 7 11 15; 4 8, 12 16.			
HAL - features			
-> create & manage rable, paining			
-> relational, authentic, copical etc opuations			
are available			
-> Bramar finchons			
-> Download contents of Queres, kables ere 10			
a directory.			
DOL - create bable & alter parameters			
capatation supported - cuaning & managing DB			
- deop or thete the rable tremmate			
- alte pairion volunin of a table			
- reate prop view			
- cuate prop   codex			
- show - continte			
-désuible - contents l'other descipnon			
DML - Ribbi thi data			
-alte modify delete lapolate			
- Old can be coaded to the table.			
The state of the s			
Hiord House			
TO CREATE DATABASE IN TON STUDENTS			
comments BTODENIS durails with DBPROPURG ESC			
(seation = about ) is			
Livis crow STIDENTS			
LOUZ DESCRIBE DATABATA STUDENTS			
EXTENDED - Propuber of DB along			
EXTENDED - propulses of DB along Live? ALTER DATABASE STUDENTS LET PROPERTY ("edicade")			
> WEE DATABASE > DROP DATABASE STUDENTS			
STUDENTS			

Tabile 1) Managetable wantouse ie External rable ( suf mara ender Rive dictionary table is deopped, data is mentier liperycein managed stored in urderlying wearon > create -> EXTERNAL - Ruy incienal table weigh used kinious data along with - 8 pecify the cocation where Neradata data le to be stored, 4 manageable table trable is deopped. CREATE STABLE IF NOT EXOST CREATE EXTERNAL TABLE STUPENT ( DOILDNT, NAME STEDNG , STUPENT ( DOIL, DNT, NAME STEZA id 2NT) towformar DELZ-id INT) ROWFORMAT DELZTE MUTED BY 1/6 MITER FEELDS TERMINATED " HILL DESCROBE STUDENT By 'It' WCATZENE'/DOC/Sh 2011 1N1 4 acong with rable dara metaldata is also senoved file "ento table! Loading data from The seep tradent / HTAGIAC LOAD BATA (LOCAL) OVERWRITE 2NTO TABLE STUDENT coading data from cocal file system HDPs Uther coading from COCAL keyword collection Data Upy STUDENTERNED (ROLL THE STRONG CREATE SUB ARRAY (STRING), MENER MAPKSTRING, 2NT) POW PORMAT DE ITMATED BY COLLECTION . ITEMS BE DE COMOTED BY KEYS DELOMOTED MAP DATA LOCAL INPATH ( | soudent ( flerance) 2N TO COAD TABLE STUDENT JNFO : Quaying Table SELECT & PROM STUDENT; JELECT notino, name, FROM STUDENT SELECT Name, MARKS [ I MORK! ] FROM STUDENT SNAD;

Painings - 2 type	ii) agranic		
:Deranc			
- different co warrs, extracted	- only during execution time		
duice whole home would will			
CREATE TABLE STUDENT	- WEATE TABLE IF NOT EXIL		
STUDENT ( TOURD INT, name	DYNAMOC-PALTETION STUDENT,		
	(Rouno sur, id sur) PAR12-		
( ROU SINT) ROW FORMATO	DONED BY (gpa , 4') ROW FORM		
	PRINCHIBE SOURCE GELMINER		
· NATED 'JE';	1/5		
1			
loading dara into passitions from table,			
2 NSERT OVERWRITE STATE PART TABLE PARTITION			
(ROU DNT = 10)			
SELECT TOME, TOLLOO. FRIM EXT_STUDENT WHERE			
nouno = )			
ALTER TABLE STAT_PARTITION - STUDENT ADD PARTITION			
2007 - 19800 -			
SEECT			
Austria - of table size is too law how a libe			
Bucking - of table size is too large, No of partition			
- to wit no of paintions - bucketing			
- garrinos - directory bucket - file			
- But him . enforce blocking = true # bucker is enabled			
CREATE TARIE DA NOT EXPLITS BUCKET _STUDENT (			
ROLL DUT, name STEDNED, id 2NT)			
CLUSTERED BY id in 3 buckets # wate 3 bucket			
I lload data in bucket table!			
FROM STUDENT			
DASERT OVERWRITE TOBLE BUCKET_STUDENT			
SELECT ROL No, name, id			
SBIBLE DOSTONCE GRADE PROM BUCKET_STUDENT			
TABLESAMME (BUCKECT 1 DUT OF 3 ON LD);			

CREATE VIEW STUDENTVIEW & AS SELECT ROLLIO, id PROM STUDENTS; SBLECT rollno, id; FROM STUDENTIALEN LIMIT 4; Il limit to 4 mows DROP VIEW STUDENTVIEW ; IT Nee and 14-018 of one Query to 1/P to one query - uses crasues the GROUP BY, DRED By etc depr. STUDET Join gelier name, roll, id FROM swidens a Join DEPTA ON a. roll = d. roll; Aggregation Perne Group by... Having de 200 stute NT Laving ed 200 seet soul, name from STUDENT Laving ed 200