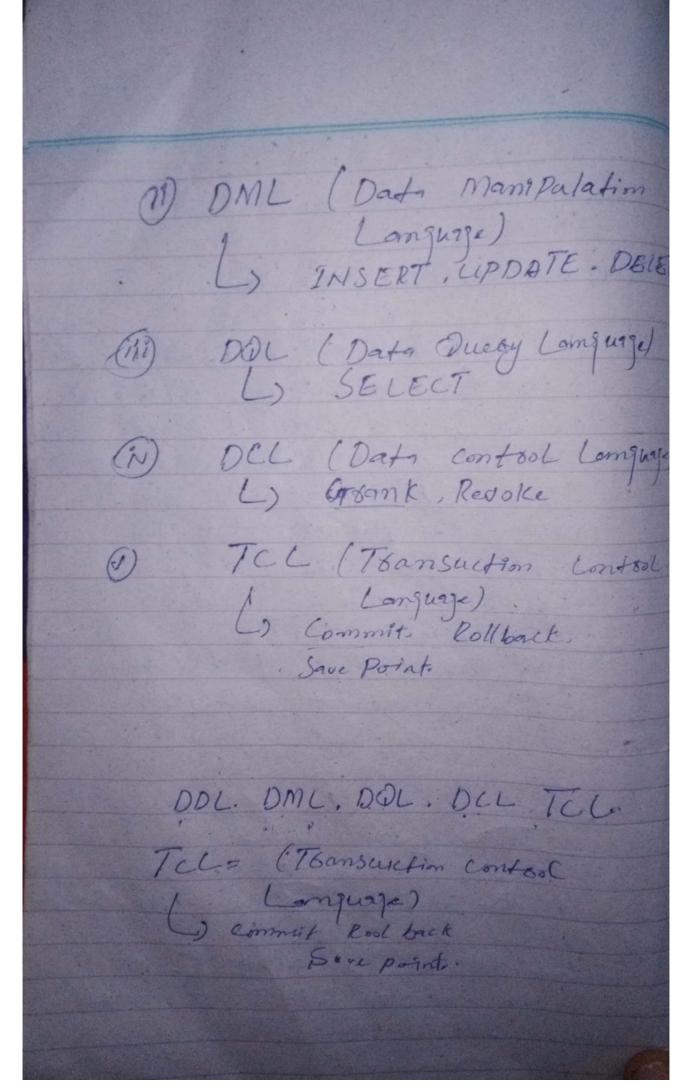
DATA BASE SQL Abutused Diesy Conquere. on SOL It and too "Stouctured Query Language Every belational database Software Intract With a Larguage Know as SOL because it's a Simple english like Longage which guideline ase Provided by a Standard Organization "ANST? Adopted by all dat base. like onecosoft Obcale. ony SQL etc. Language to reduce Complex 1 DDL 2 DML BOOK BDEL STEL (Data (defintion language) L) Cheate, DOOP + tourcate Alter, Remame



DBMS Types o's DBMS Data base Management System) (2) Data base Management System is the collection of dat and Set of Program to access to stoke those data in an easy experient mannes. w DBMs 1s a Software which is assed to mange data base. My SQL, Obcale etc 14 pes 06 Data Bise Management System. these are five type 1. Hierarchical DBMS. 2. Network OBMs. 3. Relational OBMS 4. Object Oriented DBMs. 5. Distalbuted DBMs

1. Haerachical DBMS.

In hieraclical DBMs. the selat-amships among data are established so that one data element.

2. Network DBMs

Metwork DBMs is one where the selat sonship comong the data Is the data base of fupe many to many in the network boom network

2. Petational DBMS.
In belational database the database is beprosented in the 56mm of belation each belation modles.

## 4 Object Oriented DBMS

Object-oriented DBMS is
desired tom the model
of the object-oriented programmy
Paradlym. They are helpful
in representing both consisted
data

5. Distributed DBMs

A distributed database is a Set of interconnected that

Es distributed over the Computer network or Computer

17) Sub Language 05 SOC.
SOC contains the

theted are 5- Sub Longuege

DDL (Data definiction Longuese) L) Create, Drop, +scincate Alter, Remame.

- DML (Data Moneplation Conque L) INSERT, UPDATE, DELETE 3 DOL (Data Quesery Conjuge) DCL Datal Emttel Langunge)
Cosomk, Revoke - TCL (Tromsuction confort Longus) 1 Table Con y baints. Coeate table Student Student Integer Primary Key, S Name vasachas (50) not nulls Star Con, float, tocation varachar (50), depart class Jable Confraints Cocate table Student? S. Hame Varacher (50) Stadent into ex Primaco kay S. Mame va sachar (50) not nag CPn floats Lo cation taracher (50) defaut to

## # Ofacle Instance

when a database is started on

a database soores

Oracle allocates a memory

at a called system (tobal

Drea (SCAD) and Start one

Or more process

Hy This combination of the SGA

I and the orcale process is

called an orcal oracle

Instance.

Responsibilities of DBA Defendant Admission fee)

Coeafe and administed desployer Desployer operates efficiently and without esoos - Making modification to the database. Houthers as Maintaining the database and updating peromissons ones.

Backing up and sestooing data to personned data Loss.

a Manilisation
14 Data Nocomalisation.
a technique of
Ox ganizing the data mas
multiple delated tables
to minimize
Student Table
Basic Table
foll no I name / boanch / hold / ofthe
Dli CS - Mr 450
1 Hyles Cs. Mx 45
I Seed CS Mx 450
3 Maas Cs Mx 45
4 Fpc Cs Mx 45
Table & 1
Table in two type
Soll / nume / branch
2 Di CS
2 Alek A
3º Sadd Cs
branch / hold / ottocted
2156
CS MY 3456

5) System global axen Joracle In the dela bise mangament System developed by the oscale ocale Ocorporation the system (Stea) fooms (RAM) Shared by all the Processess belonging to a Single orcale Instance the SGA confains all Information nessady for the Instance operation. background Processes. Pocesi PMON: Poscess Moniter. Moniters background SMON: P MON DBWN 1 COWR CKPT MIMON and MEMUL PFCO

0315-31 83 816 PMON 1- Process Monitor. Moniters background Process & Clean up failed Process # Roll bock the Ham Section 19) Releases the resources help up the bailed process. S DAON 1- System monitor. 17 System Level clean up activities # Lets dearing coash becomen DBWN2 - Data base Woiter in writer modified blocks from the database buffer cache to the databile Llawr- log writer my writes before the DB wn writes and only confions that a Commit operation has Saccosed. when log brigger

Clept - Checkpoint Process.

# wortes into to applate

DB control files and headers

of dash files

MMON and MMUL = Managerbility
monitor process.

MMON- Performs tasks related

AUR:
MMUL - managrebility Mountor

Lite Process - writes Statistis

from the active session history

RECO- Recover Poscess.

Optional background P socess.

ARCA

CIDO