	value, any department, and
10 hourson	2) DML: insert, update, delete Detor commit
	2) DML: insert, update, delete Data manip ² law sepon commit of 3) PCL (transaction control lang): commit, rollback, severpoint
Lecture-4	mer mer men
55k 25/01/2018	4) DCL (Data control longuage) -> who can access what (for DBA)
25/01/2018	grant, revoke
	SQL> grant relect, insert, repolate
	on emp
	to Scott;
	tought a couple and
	SQL > revoke insert update
	on employees
	to Scott;
	and the state of t
	5) Data retrieval: select, desc
	Alter the state of
	Dotalogie users:
	1 Maine my -> wife land man in the fallow
	2 Application programmers > who design they Gus (using RAD & 4th
	3 Sophistacated users - perialized quaire, sife, days mining
	4 Checialized users perteract with datalan min objectation all me
	4 Specialized users. Interest with datalane using phecialized supposers. (CAD, business bon)
	Parid Al Liaguages: SQL, Mathematica
	Rapid Application Complyhouse tool 1 40 January 2000 (Dar)
	Rapid Appication Development tools: US, Developa 2000 (D2K), (RAD) Delphi
	Owline anglission house in 10100 to 1
	Orter viving tool
	Data mining tools
	omputer apoled designing that) nystems.
¥	Knowledge base.
	The state of the s
	The Control of the Co

	classmate Date Page
7	OBA
	1) Schema definition > gives a harricular space to users
	et storage structure and access method definition
	or Columna and thurst cal prounted time modification
-4.0	4) Granting of authorization for data acces according to the
- 1	5) Routine maintenance. > my DB4
	- Períodic backup
	- Ensuing available disk space
	Russitize data
u	
mr 2	
01/2018	# Dotabase septem architecture