Lec 52 : Introduction to Standard Query Language Language -> SQL Patalase Talles
Relations In 1970, EF Codd fullished a paper on Polational Model, He Took the help of relational

//__ & type relational calculus algebra to prove that data can be sloved try developing Simple English QUERY Language

[SEQUEL], which became SQL. & Sah is a domain - Alcific language * SQL is a dechalative language Language (DML) Data (Southol Language (DCL)
and & TCL (Transaction Central Language). & Keys and constraints Exist/Not exist & Operators (Like Netween In Not in Conditional) & Clauses (distinct order by, group by, from, * Aggregate functions

* Toms and nested queries * PL Dal (Triggers, function, cursos, procedures) * Declolative 7 What do Procedural -> What For to do How to do

Loc-57 All Types of SOL Commando with Example Thansaction (Instrant Parte Parta Manipulation Control Language Language Control Primary Cay
Language Key
Foleign Definita > Select | Grant > Commit Key |

Trust | Revoke | Robert > Ehech -> (reali - Revoke -> Drof -> Truncate -> Rename -> Save point > luigue -> Default → Vldate -> Pelete D Not mul Lec-54. Create table in SOL with Greation Create talle (table _ name) Colum I name datatype,
Colum 2 name datatype,
Colum 3 name datatype, dese table - rame; Egit create table emp

Jalany runder (10) desc emp, Ler-55: ALTER Command (DDL) in SQL -> Add column /s -> Remore edumn/s -> Modify datatype - Modify datalype length -> Add Constraints -> Remove constraints -) Remark column / table To add a tole solum to a tall Alter table Student Add & address varchag (30) To deep a whom from the table. alter table employee drop column addless

To modify the datatife of the tests a column alter table employee nodify id valchar (10) It you want to change the length of relebal aller talle employee modify is varchas (30)" To sename a column same no; To bename the tall Rang aller table employee lenavre to empli; To add primary key to the Table alter tatle emp 11 and brimary key (ed no) Lec 56 : Difference between Alter & Thate in 50L with examples * DDL DML * Vied to change the Weed to change the arbenia. I data

Update Engl Set Salary 2 Salary * 2 whele id=1;

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Ler57:	Difference between Delete; Drop & Truncate in 501		
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-ec 78,	Constraints in SOL		
	Vrigue		
	1071	The second secon	y s =
1	Not a Null -> The value should not be engly.		
3/	Primary Key = Vrigne + Not Null.		
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4) Chech Eg: (Leck age >18) 9 & Foleign Key 6) Default Eg Salary und default (0000 Lec-59: Sel Queries & subqueries De Part-1) from emp table Query to display mase salary Who is taking masumum Salaty Erid E-name Deft Salary Ram HR loses Amrit MRKT 20000 Ravi FR 30000. Nitin MRKT 40000 Valun IT 500005 Soln: 1) Select (Salary) From Emp' 2) Lebet E-name From Engle Where Man (Salary)

D) Select E name from Emp Where Salary = (Select Man (Salary) from Emp); Lec-601 SOL Queries and Subgressies (Part-2) 3) Write a SQL Query to display Second Highest Solvery from Emp take 4) Write a SOL Query to display Employee name who is taking second Prighed solary. Solm I Select Man (Satary) from Emp !=

Select Salary) From Emp Whele Salary = (Select

Man (Salary) from Emp); 4) Felect Emp Ename from Emp
Where Salary 2 (Select Man (Salary) from Emp
Where Salary 1 = (Select Man (Salary))

From Emp) 5); 3 Schres (Part-3) Solve. Select Topic Count (Dept) from Engl Select Dept Brow Count (Dept) from Emp Grove By dept'

lor 62: 5de Onelies and Subqueries (Part-4) b) Write a guely to display all the deft pames where no of emps are less than 2. Som. SELECT DELT FROM EN A SELLUI DONA select Dept from Ent group by Dept having count (x) < 2; 1) Write a guery to display the tomployer name for the relonging to the dept whele no of employers are her than 2. Soln. select E_name from Emp
where Deft in (

select left from Emp group by Deft
having count (*) < 2) er 63: 501 Queries and Subquelies (Part -5) Dente a green to display higher salary department wise and name of the employer whose is taking that salary

<i>A</i>					
Man E	Bet select E-name, Salary Jean Emp				
	where Salary in				
	Bet select E-name, Salary from Emp where Salary in (Select max (Salary) from Emp group by Dept ?				
k.					
ė (1)	(P_0, t_0)				
Lac bri	Sal Queries and Sulqueries (Part-6)				
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En	h Project				
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),	2 Varun Delhi 5 Pr Big Parte Delhi				
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	addess is either Pelhi of Chod of Pune				
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San.	Select & from End where Boome Addrew in (Delhi, (hd, Pune)				
A	where Brown Addrew - & Dallie (1) P.				
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Lac 6	Loc 69" Sal Overies and Subgressies (Part -7)				
r					
	Vocay IN and not IN				
	No.				

working & a prim project restrict join Project select Erame from Enf where End in (select End from Project) Lee-66; EXIST and NOT EXIST subqueles (Part-8) Find the details of End that who is working on at least one project? where select Fid from Legid where Emf.

End z Project - End)

True Nested guery is botton - up approach Correlated query is top-down approach