OGL (aka sequel) STRUCTURED QUERY LANGUAGE create populate + manipulate dalabases 1 Geale a clab model to represent the objects + relationships in a datase! 2 create schemas tables and otalabases for relational data 3 Remove data using advanced queres SOL is designed to efficiently handle large amounts of date, which is a highly valued application POSTGRES AND POJADMIN PgAolmin & a management bool for polityres Postgresson is an object-relebond delebase To the left-of-screen under severs default is Postques Creale a dalabase Right click on postgressor 12 Creak -) Delebase gue it a name-chokonson tob CREATE : DATABASE "canimal\_'98" hit save + it occites a chatchese

man

me

In ar

SAL

No

W

a

when you click on animal-old there are many more things to set under it mere are initially no tables In an entire company you may hade different books for different departments SAL creek scheme CREATE SCHOMA AUTHORIZATION Now we want to create a TABLE want boreak tibles for a query right click enimel DB analgies you a guery tool - epers a given winders for your create table people (cannot be NULL
collare wronds (30) Nor NULL
name varchar (30) Nor NULL
has pet varchar (10) Nor Null
has pet varchar (10) Nor Null 950 pet-type varcher (10). HOTWILL pet-name varchar (30), petage int + ends the statement now execute mis code nit the plan botten now you can look in your table + see it

V everyoning SPEECT \* FROM PROPLE CROTT SOLECT PETNAME, FETTIPE FROM PEDPLE INSBETTING YAWES INSURT INTO PROPLE (NAME, HAS PET, PET TIPE, PET NAME, VALUES ("Ann', true, 'Dog 1, Bailey 10)
James, true, 'Cat', 'Queso', 1); you like remi rows as SOLET PETNAME, PET TUPE FROM HERVIE SOLET POT\_NAME, PET-TYPE FROM PEOPLE K THIS IS WHERE PETTYPE = 1Dog! CARSONING what if up want to limit it to age of pet SALECT FROM WHEKE and petage <5

, in the Drive cones ( city deaths (30) tien and 137 12/ 1/6. (LICH .. (.20.) real frait) Regulated into my well Missir mine corners (Chipolite problem) VALUES C'Hamoda', 'Californic', 79177 ( Mesa', 'Anzone', 496401 ( Boene', Texas it. SELECT CIM FROM CITIES ; SOLERT CITY FROM CITED WHEYE STATE - "ANZONC" silve WINDER population & 100000; WHORE Skik= 'California" LOS pepilaten L'occors DROP DROP TABLE People; dropping entire shuchie

a seralable scs. Chell, PRIMARY KETS CREATE TABLE POOPLE ( and SERIAL PRIMARY KEY, name vorchar (30) Nor Nuly I this will generate a sequential 1d for you DELETE DELLETE FROM PROPLE WHERE 10 = 3 UPDATE UPDATE people so has pet = true, pet name = Racket, per-age = 8 whole id = 6 This will change values in the columns you speatred. The keyword send will opnedec new volve

ica 1 Importing from CSY orezle a new DB new query tool creak a DB TABLE met has same no ofcols as asu fle empty tablestrychie to impot names dont have be some but structure has to be CROTTE MBLE DIVELSEY eglownere VARCHAR, Country VARCHAR, Landrace DEC now load os file -select/highlight the leble go to most exact-panel CID IS index change exact to import (object 10) finalthe csu file header is yet delimeter select 2 as delimeter theck note SPIECT \* from publicobildsorg ya can also chek on colomns to to check headlers in CSU you can select columns from asv Inct you want in mottab

ORDERY author Select \* From table name Who WHERE author >= 1 9-0 AND author 2210 selec ORDERBY AVIHOR, WOLDI, WELDE when AVG (Da SOLECT AVG (column name) FROM TABLE NAME WHERE CONDITON When looking for strings in 891 use INN. Create nset woo table Read SOLECT A FROM () polete UPDATE table SET column 1 = Value Delete WHERE cord Davie from table WHERE 1025 MILDCAROS - Substitut 0,1 or multiple characters masting Me word LIKE indicates use of a wildcool

S

select x from
actor
where lastrane like 'Will's';

3-anymoteh bogin will

select x f
flori actor
where fishrame Like '\_ AN' 
only one character
(Dan, Yan, Man, etc.)

upper (word 1)

The Join Jan 2 tables based on a common column.

VIRTUAL TABLE
IF closes not exast
YOU need to create
a VIEW I FURN WANT
to Keep it

SELECT players. fist-name, players. lastnone, laboryors. hourd, matches, loser rank.

From matches.

INNECTION players on players on players - players - players - rich = matches. loser id;

players - players - icl = matches. loser id;