CLEATE DATABASE & TABLESTACH Crante Read Update Detete CRUD >CREATE DATABASE in \$ > USE on ; > SELECT database(); CHECK INSERT INTO !! >DROP DATAGASE um ; Read & SELECT eg >SELECT & FROM un Patabase > lots 8 lots or > select name From cats; of tables! Where: SELECT * FROM Cats Age WHERE age = 4; bread 09 'cat' tadb Name Using .-SECECT cat-id As id, Blue Tabby Accret Persian Blue change column name From cats; must be any must be variable characters Hany variable data types output update - uppATE cats SET bread = Shothair og numbers - INT, DECIMAL, FLORT! Double, BIT eté etc. WHERE breed = 'Tabby'; [SELECT BEFORE you Update] string - CHAR, VARCHAR, RIOB, TEXT, TINY TEXT Date types - DATE, DATE THE, TIMESTAMP DELETE PROM cats WHERE name ing Delete TIME, YEAR [again use SELECT first to chack!] > SHOW TABLES; eg Name VARCHAR (100) Age INT SHOW COLUMNS > CREATE TABLE Cats (name vaccital (1001) OF FROM Cats ; . Sql Sal files tor Kate yim > pesc cats; > SOURCE Elemane . Sql > INSERT INTO cats (name, age) ('Rocket', 10); > DROP TABLE cats 9 put strugs 'together' conceptonate > SELECT * FROM cats; > CONCAT (column-x, column-y) SSHOW WARMINGS 1 > concat (the name is , name) NULL 700 & DEFAULT Structured Query Longuage Its age is , age) ; XEREATE TABLE Cods 2 Name VARCHAR(100) NOT NULL DEFAULT Grand, eg > SELECT CONCAT (path-first name) age INT NOT NULL DEFAULT outh-lastname) FROM books; Sub strings > SELECT SUBSTRING (hello world , 1, 4); INSERTING DATA + others > INSERT INTO cats (nang age) Ches VALUES ('Jetson', 7); > INSERT INOT cats (breed, age) today hell SUBSTRINE) SELECT SUBSTRINE ('hello World', 7); VALUES ('Moggy', 8) dopart 'anand' PRIMARY KEY -> world > CREATE TABLE COTS 3 (catid INT NOT NULL AUTO-TACREMENT >SELECT PEPLACE vace VARCHAR (100) NOT NUL DEFAULT 'unamed') (Hello World Hell , 1854) Replace age INT NOT NUCL PÉFAULT 99, PRIMARY KEY (cat-id) %\$# 00 WOV W) Roverse > SELECT REVENSE ("Hello World"); LOGING ON TOMYSOL (dlro Woollet) >mysql -u root Char length > SELECT CHAL-LEGIH ("hello woll) then enter passivered eg tout for XAMP depart passwerd is root upper Case/lover case stad mysal server SELECT UPPER ('Hello World') - HELLO WORLD" for version: > mysqladmin - V

REFINING SELECTIONS DATA TYPES DISTINCT of don't repeat eg once. CHAR (20) WARCHAR (20) Wostly Fixal, must up to 20 255 dwelves > SELECT DISTINCT atte - last name from books Postudo always 20 ind. OR a combindion eg DECIMAL (\$1 > SELECT DISTINCT ath-first nave, att-last name Numbers - INT31 ino 124 0 73 OPDER BY FLOAT DOUBLE > SELECT Name FROM, books 4 8560 ~7 digits 1 8 byles ~ 15 digits ORDER BY publate DESC TIME STAMP > SELECT have From books (desending)

ORDER BY 2 Number refers

To many arrest date arrest time arrest dateline > SELECT title, publish From books ORDER BY publish DESC LIMIT 5; DAY() DAYNAME() DAYOFWEEK() DAYOF-EARL) LIKE WHERE name-first LIKE " % hom?" MySQL So7 reforence PATE - FORMAT (date, format) eg > SELECT DATE-FORMET Flagger 1844 (% W weekday)
(12009-10-04 22:12:06) 22004-06) etc etc WHERE stock-quanty So Thomas Like --- Wildrands LIKE "--- " " " 10/0 10/0 " To Select Toll to Select Toll Toll Toll Tolks of Select Toll Tolks of Select Toll Tolks of Select Toll Tolks of Select Tolks of Se > SELECT COUNT (DISTINCT auth-frame) FROM books GROUP BY \$ to "blob" stuff together eg. LOGICAL OPERATORS > SELECT file, authorist From books GROUP BY authorist > SELECT fills From books or to count the number of books wither by someon with a certain fast name 1= WHERE year != 2017 ; not equall > SELECT auth-last, books > SELECT title FROM books NOT WHERE Little NOT LIKE "W%"; WIII LIKE GROUP BY outh-last ; MAY & MIN eg > SELECT MIN (pubdate) > SELECT * FROM book WHERE year > 2000 > SELECT * FROM book nitteliger> = 2688 Combine SELECTS ASAPENT > SELECT & FROM books FROM BOOKS
WHERE Pages = ORDER BY PAGES
(SELECT Min (Pages) ASC LIMIT I; > SECECT a' = A OUTPUTS > SELECT 99>1 CNO capitals in Sql) TRUE (I FROM books); published > SELECT * FROM books published >= 2000 AND published >= 2000 AND > SELECT outy-frame, auth-Iname MIN (publiste) FROM books > SELECT * FROM books Enoul By auth_ Inane, auth-frame; WHERE name last = 1 smith 11 pistate = 1977 11 SUM > SELECT SUM (pages) From backs; OR > SELECT title, publate from books + graf by > SELECT outh-frame, outh-hame, sun (pages) Front books WHERE publish BETWEEN 2002 AND 2005 BETWEEN Groul By (outh-Iname, outh-frame) > SELECT fitle, outh I name From books Arso rist back and Iname IN ('Smith & Baken')

AND SELECT AND COURS AND SELECT File & Stock-quantity 'Somes') MOT BETWEEN CASE WHEN Stock-guis (= 50 THEN THE ALSO
WHEN Stock guis (= 100 THEN THE ALSO
ELSE 14 7 7 1 100 THEN THE ALSO
WHEN STOCK GUIS (= 100 THEN THE ALSO
WHEN STOCK G > SELECT ANG (Stock-quets) FROM books GROWP BY (Rubdate)



