Commentary SOL The Brings south O The SELECT statement is used to beleet data from a database good living 2009 bag 6 1939 D SELECT + From Customer 11 find all dates i dynter - select & from Hable Name Defind all data from Coloums and Coloums 2 2-L'SELECT Customer Name, City From Customers The SOL SELECT DESTINCT Statement study study The SELECT DISTINCT Statement as used to richard any distinct (different) values. Donside a table many douplicate values; and Sometimes you only want to list the distance of values and other of and so BYTHEM SELECT DISTINCT COloumn! Coloumns! The from gaple- Name: / @ without Distanct 3 & & U, + 109 Joste D. 990 SELFCT Country From Customers O SELECT DISTINCT Country From Customers; (3) Count no est obtainer Country SELECT COUNT (DISTINCT Country) From sold le customers;

The SOL WHERE clause MARTINE FALL The WHERE Clowse is used to filter succords SELECT Coloums, Coloumnzinos-From table- Name WHERE Conditions: 31900000 Cha enample SELECT + FROM Customers WHERE Country = 'Mexico! SELECT 4 From Customers on 3 80 TRAHGE CUSTOMOTIO = 2017 - 707 OP crators in The WHERE Clause <> Similar to 1= = FIND TON JASHON BETWEEN MOTE LOTIDE Likemod. 4= MI SOL AND, OR and NOT aperators minidma) AND Synten SELECT A FROM CUSTOMUS WHER SELECT Coloumni Coloumnia Tromani - Les anom = 1500m table name WHERE Conditions. And Conditions 2 AND Locally) MOST + TOTO 32 OR Synten Coloumns, Coloumns, -- 'ARU' SELECT From table\_Name Conditions OR Conditions OR Conditions where

THE SAL WHERE CLOUSE NOT Syntem SELECT Coloumnii Coloumnia - 29240 340 from table-name MARKE WHERE NOT COUSTHON: 100 135 Small - ald st cross AND Example enothboar another SELECT & FROM Coustomers COHERE Country = ' Grermany : AND City = Benin' OR Examplemoters of the TODASE SELECT 4 FROM Customers WHERE City = Berlin OR Cityle 'smunchenstore 90 MOT Example of notinies <> SELECT \* From Customers WHERE NOT Lountry = bermany!; Combining AND JOR roand MOT, and sole Examble. AND Syntex SELECT # FROM Customers WHERE Country?

1 Grenmany : AND (City = Berlin OR City = Muncher) Where Conditions And Conditions 2 Algress SELECT \* FROM Customors Nations 86 WHERE NOT Country = Grenmany AND NOT Country = 103A'; Grandold Strong of More Country = 103A'; short conditions on conditions or conditions

## SOL ORDER BY Keyword

The ORDER BY Keyword is used to sost The result set in according or descending neger.

Syntem

SFLECT Coloumns, Coloumnz,

sat from table name with a man

ORDER By Coloumns, columns. -- ASCIDESC

trample

INSERT THITO FORMETONE NO O SELECT + FROM Customers ORDERBY Country;

- @ SELECT + FROM Customers ORDER By Country
- 3 SEZECT \* FROM Customers ORDER By Collotoy,
- (B) SELECT + FROM Castomers ORDER By Country ASC Castomer Name DESC

## Hoop i Nogway SOL INSERT INTO Statement

The INSERT INTO Statements is used to insent new records in a table.

INSERT INTO SYNTEY

It is possible to write the Insurt INTO Statment in two ways.

1. specify both the column names and the values Je Le rasested! Property 40 mg I SNIZERT INTO Hable mane (Coloumn), Coloumno, ( oloumn3, +--) Value ( value 1, value 2, value 3, value 4, value 4, value 4, value 4, value 5, value 6, value 6, value 6, value 6, value 6, value 7, value 7, value 7, value 7, value 7, value 8, value 8, value 9, value s. If you are adding values for all the IN Coloumns at the Harbie. 10 83080 trample Synten INVERT INTO table-name Value (value i)

Nature 2, Value 3, ---); Server a fixomers oranger & positioners ANSERTUNTO Customers (customerslame, Contactulame, O)

Address, City, Dictalactula, 10097 to 10097 Cardinal, Tom B. (Sinchsen, Skayen 21, 1sta gen; 4006; Norway!). The inspent inno statements is used the - sich noi ebboron won -treent HOTAL INTO SYMEN translate rest through out ofina of sidice of en il eynu out of

Mysal NULL Value relark @ what is a NULL Value Proposition STARQU Affeld with a NULL Nature 1s a field with no value more more many SELECT Coloum names strage olymon i FROM table name man 132 TO WHERE Column-name 18 NULL; Example WHERE (astomongo = 1; FROM Customers Vame Contactulame Address WHERE Address IS NUCLTOKEN) FTAGAN Example 2

15 NOT NULL

15 NOT NULL

15 NOT NULL SELECT CustomerName, Contact Name, Address I-Rom Customers motote 37313 100 pt The DELET Statement of DOWN TOWNS TO Address enist steepends in a table A MYSOL UPDATE Statement MINTE The UPDATE Statement is used to modify "borth" a precond without and HONE Grands in a fable mentage a Refrest"

Hisal MULL Value dynten UPDATE Hable Name silver stull p de total 8) - Now on SET. Coloumn17 Nollets, Roloumn2 2 values WHERE Condition; Grample Uppate Customers 000 T03132 SET ContactName = "Afred > chmidt! city =
"Hankfurt"
WHERE Constomeral = 1; UPDATE smolthootra) Records Records of 2000 UPDATE CUSTOMERSIA 21 MORBOA 393HOD SET postalCode = 000 00 s sigmon 3. SET postalCode = 000 00 Mysal DELETE Statementnoten) mast The DFLFT Statement is used to delete enisting records in a table Antem tomothe statement material DELETE FROM table name WHERE Condition.

Example

DELETE FROM Customors WHERE Gastomerlane = "Afrond

DELETE FROM Customors WHERE Gastomerlane = "Afrond = 1000 = 100 At Beleter Mishare coeds events and nothing the DELETE FROM Hable-Mamely beholde The Maxin Johnson seturns the language water DELETE FROM Customes; MIN () Syptem My SOZ Limit om Clause o) Mill 100112 The Limit clause is used to specify of their number at records to return. MAXU Syntay Cimil Synten SELECT Column name on novolos) MAM TODISE From table name FROM toblename WHERE Condition; WHERE Condition Limit number Example SELECT & FROM Customers SELFECT MIN (Price) As SmallestParce ADD a WHERE CLAUSE FROM Products: SFLECT & FROM Customers MAXID FRAMPIC SETTECT MAX ( PARCE) AS YEARPHOOF = RATHURS . 2 - FIRM POPLY 2 Limit 3; PROM PRoducts MYSOL MINU and MAXU Functions

The MINU function returns ofthe Smallesty Value ag The MAXU function neturns the largest value. the selected Coloumn. DELETE FROM (unbomps) MIN () Synten SELECT MIN (Coloumne name) ini) 102 YM FROM fable\_name The 21mit clause is used to nothibited TATHW number of steereds to seturn. whole grater MAXU Syntay SELECT MAR (Coloumn\_nome) Todas FROM Jable name FROM tablename WHERE Condition Limit number. WHERE Condition; xample SELECT & FROM Customers MIN () Example SELECT MIN(price) As Smallest Parce PD O WHERE CLAWE FROM products; SELECT 2- FROM Customers MAXL) Framgic SELECT MAX (price) As Largest price in mil Prom products LABOT WING and NUX DEALINE