* Select Statement Examples
  + General Syntax
    - **SELECT COLUMN1, COLUMN2, … FROM TABLE1 ;**
  + To Retrieve al columns from COUNTRY
    - **SELECT \* FROM COUNTRY ;**
  + Addition of a “WHERE” clause to add to the query filter
    - **SELECT \* FROM COUNTRY where ID < 5 ;**
    - **SELECT Title, ProductionCompany, Locations, ReleaseYear FROM FilmLocations WHERE Writer <> "James Cameron";**
    - Note the quotation marks when trying to compare a string.
    - Combining 2 where clauses
    - **SELECT \* FROM EMPLOYEES WHERE (SALARY between 60000 and 70000) and DEP\_ID = 5;**

>Greater than

<Less Than

=Equal

>=Greater than and equal

<=Less than and equal

<>Not equal to

* COUNT, DISTINCT, LIMIT
  + COUNT
    - **Select COUNT(COUNTRY) from MEDALS where COUNTRY = ‘CANADA’ ;**
      * \*Returns a count value for the number of entries
  + DISTINCT
    - **Select DISTINCT COUNTRY from MEDALS where MEDALTYPE = ‘GOLD’ ;**
      * \*Retrieves the list of unique countries that received GOLD medals.
  + LIMIT
    - **Select \* from tablename LIMIT 10 ;**
      * \*This will only retrieve the first 10 rows from a data table.
    - **Select \* from MEDALS where YEAR = 2018 LIMIT 5**
      * \*This retrieves all data from MEDALS where the year 2018 but limit the number of data points to just 5.
    - **Select \* FROM FilmLocations LIMIT 15 OFFSET 10;**
      * \*This Retrieve the first 15 rows from the “Filmlocations” but it will start from 11. Skipping 1-10
  + Nesting queries to get the information you want.
    - Retrieve the number of release years of the films distinctly, produced by Warner Bros. Pictures.
      * **SELECT COUNT(DISTINCT(ReleaseYear)) Title FROM FilmLocations where ProductionCompany = "Warner Bros. Pictures";**
    - Retrieve the first 10 film names distinctly release in 2015 after the first 5
      * **SELECT DISTINCT Title FROM FilmLocations WHERE ReleaseYear = 2015 LIMIT 10 OFFSET 5;**

DML STATEMENTS DML (Data manipulation language)

* INSERT STATEMENT.
  + INSERT (Adding rows to a table)
    - Syntax
      * INSERT INTO AUTHOR

(AUTHOR\_ID, LASTNAME, FIRSTNAME, EMAIL, CITY, COUNTRY, VALUES (‘AI’, ‘CHONG’, ‘RAUL’, ‘RFC@IBM.COM’, ‘TORONTO’, ‘CA’)

* + - NOTE the number of data entries must equal to the number of parameters.
    - However, multiple rows can be inserted by simply adding
      * **(‘A2’, ‘AHUJA’, ‘RAV’, ‘RA@IBM.COM’, ‘TORONTO’, ‘CA’)**
* UPDATE AND DELETE STATEMENTS
  + UPDATE
    - SYNTAX
      * **UPDATE [TABLENAME] SET [[COLUMNNAME]=[VALUE]] <WHERE [CONDITION]>**
      * BESURE TO ADD A WHERE CONDITION OTHERWISE ALL DATA WILL BE UPDATED WITH NEW PARAMETERS.
    - EXAMPLE
      * **UPDATE AUTHOR SET LASTNAME = ‘KATTA’ FIRSTNAME = ‘LAKSHMI’ WHERE AUTHOR\_ID=’A2’**
  + DELETE
    - SYNTAX
      * **DELETE FROM [TABLENAME] <WHERE [CONDITION]>**
    - EXAMPLE
      * **DELETE FROM AUTHOR WHERE AUTHOR WHERE AUTHOR\_ID IN (‘A2’,’A3’)**
      * NOTE BESURE TO PUT A WHERE CONDITION OTHERWISE ALL DATA WILL BE ERASED.