**Assignment 2**

DDL and DML scripts

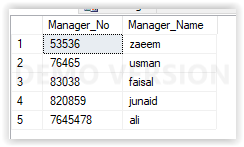
**List all DDL and DML commands used to develop the database (inclusive PK and FK). For example,** *create, insert, update, delete* ***and*** *alter* **commands**

**Design in database (inclusive PK and FK).**

Insert Command:

**Insert** is a widely-used **command** in the Structured Query Language (**SQL**) data manipulation language (DML) used by **SQL** Server and Oracle relational databases. The **insert command** is used for **inserting** one or more rows into a database table with specified table column values.

select\*from Manager;



insert into Staff values(78479,'faisal riaz','group5',20000.89,53536,7780);

insert into Staff values(78480,'Noman Saleem','group8',50000.90,53536,7780);

insert into Staff values(78481,'Asad Ali','group1',5000.78,53536,7780);

insert into Staff values(78482,'Shahrukh','group2',6000.89,53536,7780);

insert into Staff values(78483,'Rizwan','group3',15000.56,53536,7780);

insert into Staff values(78484,'Fahad','group4',16000.90,53536,7780);

insert into Staff values(78485,'Azam','group3',15000.56,53536,7780);

insert into Staff values(78486,'Akhtar','group7',30000.89,53536,7780);

insert into Staff values(78487,'Sana','group6',25000.89,53536,7780);

insert into Staff values(78488,'Kinza','group7',30000.89,53536,7780);

insert into Staff values(78489,'Arshad','group8',50000.91,53536,77790);

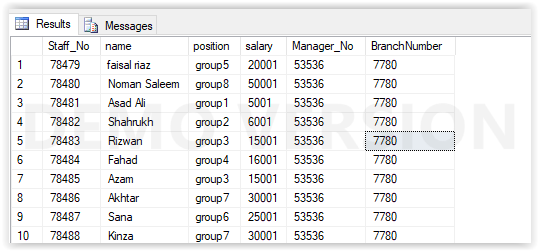
insert into Staff values(78490,'Ashar','group8',50000.91,53536,77794);

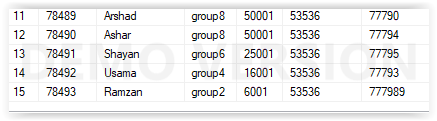
insert into Staff values(78491,'Shayan','group6',25000.89,53536,77795);

insert into Staff values(78492,'Usama','group4',16000.90,53536,77793);

insert into Staff values(78493,'Ramzan','group2',6000.89,53536,777989);

select\*from Staff





insert into Branch values(77789,'391-b mehmoodabad gate no 1','street no 1','karachi','pakistan',77738);

insert into Branch values(77790,' Chundrigar Road','Shaheen Complex to Tower','karachi','pakistan',77738);

insert into Branch values(77791,'M. A. Jinnah Road','Tomb of Quaid-e-Azam to Tower','karachi','pakistan',77738);

insert into Branch values(77792,'Napier Road','Chundrigar Road to Shah Mahmud Road','karachi','pakistan',77738);

insert into Branch values(77793,'Chauburji - Fortress Stadium','Mall Road','lahore','pakistan',777999);

insert into Branch values(77794,'Regal Chowk - McLeod Road','Hall Road','lahore','pakistan',777999);

insert into Branch values(77795,'Siddique Trade Center - Kalma Chowk','Main Boulevard Gulberg','lahore','pakistan',777999);

insert into Branch values(77796,'PU - Akbar Chowk','Main Boulevard Faisal Town','lahore','pakistan',777999);

insert into Branch values(77797,'Pakistan Monument at Night','street no 1','islamabad','pakistan',77738);

insert into Branch values(77798,'Scenic view of Islamabad from Daman-i-Koh.','street no 2','islamabad','pakistan',77738);

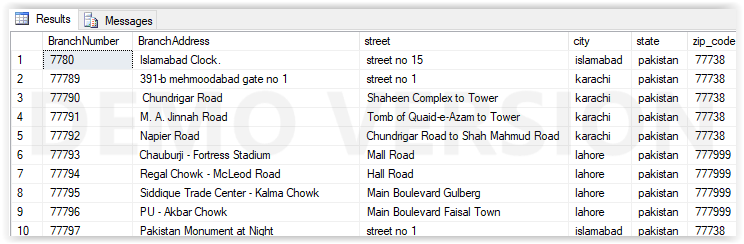
insert into Branch values(77799,'Daman-e-Koh Park.','street no 10','islamabad','pakistan',77738);

insert into Branch values(77804, 'Islamabad Clock.','street no 15','islamabad','pakistan',77738);

insert into Branch values(77813,'A right view of Shah Faisal Mosque from adjoining yard.','street no 12','islamabad','pakistan',77738);

insert into Branch values(777989,'Islamabad di Daat.','street no 1','islamabad','pakistan',77738);

select\*from Branch





insert into City values(1,'islamabad',7780);

insert into City values(2,'karachi',77789);

insert into City values(3,'karachi',77790);

insert into City values(4,'karachi',77791);

insert into City values(5,'karachi',77792);

insert into City values(6,'Lahore',77793);

insert into City values(7,'lahore',77794);

insert into City values(8,'lahore',77795);

insert into City values(9,'faisalabad',77796);

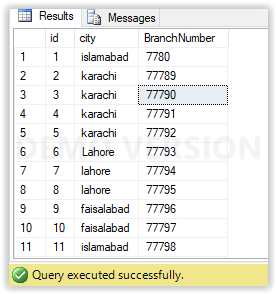
insert into City values(10,'faisalabad',77797);

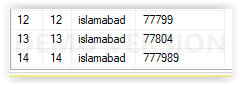
insert into City values(11,'islamabad',77798);

insert into City values(12,'islamabad',77799);

insert into City values(13,'islamabad',77804);

insert into City values(14,'islamabad',777989);





insert into telephone values(1,'03122636736',7780);

insert into telephone values(2,'031226367657',7780);

insert into telephone values(3,'031226367653',77789);

insert into telephone values(4,'0312263663673',77790);

insert into telephone values(5,'031226367543',77791);

insert into telephone values(6,'0312263675366',77791);

insert into telephone values(7,'0312263676536',77792);

insert into telephone values(8,'03122636735',77792);

insert into telephone values(9,'03122636738',77793);

insert into telephone values(10,'03122636737',77794);

insert into telephone values(11,'03122636735',77795);

insert into telephone values(12,'03122636735',77796);

insert into telephone values(13,'03122636733',77797);

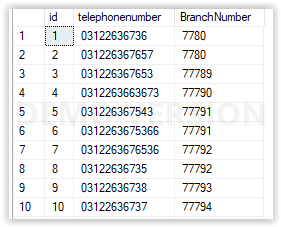
insert into telephone values(14,'03122636733',77798);

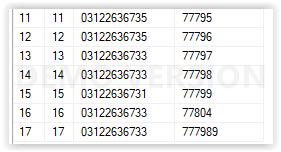
insert into telephone values(15,'03122636731',77799);

insert into telephone values(16,'03122636733',77804);

insert into telephone values(17,'03122636733',777989);

select\*from telephone;





insert into Videos values(666789,555,'Avengers infinity war',50,500,7780,820859);

insert into Videos values(666790,556,'Black Panther',50,500,77789,820860);

insert into Videos values(666791,557,'Mission Impossible',50,500,77790,820861);

insert into Videos values(666792,558,'Solo:A Star Wars Story',50,500,77791,820862);

insert into Videos values(666793,559,'Increadibles 2',50,500,77792,820863);

insert into Videos values(666794,560,'Annihilation',50,500,77793,820864);

insert into Videos values(666795,561,'Mad Max Fury Road',50,500,77794,820865);

insert into Videos values(666796,562,'Avenfers Endgame',50,500,77795,820866);

insert into Videos values(666797,563,'The Shawshank Redemption',50,500,77796,820867);

insert into Videos values(666798,564,'Alien',50,500,77797,8208);

insert into Videos values(666799,565,'The Godfather',50,500,77798,820859);

insert into Videos values(666800,566,'Raging Bull',50,500,77799,820859);

insert into Videos values(666801,567,'The Godfather part2',50,500,77904,820859);

insert into Videos values(666802,568,'Psycho',50,500,777989,820859);

insert into Videos values(666803,569,'Small Foot',50,500,77797,820859);

insert into Videos values(666804,570,'Christopher Robin',50,500,77797,820859);

insert into Videos values(666805,566,'Peter Rabbit ',50,500,77797,820859);

insert into Videos values(666806,569,'Arrival ',50,500,77797,820859);

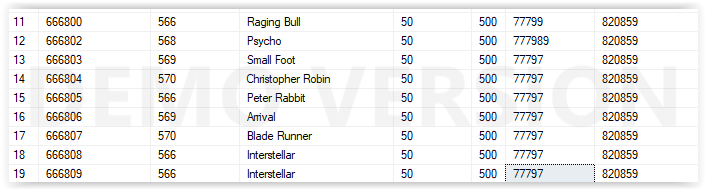
insert into Videos values(666807,570,'Blade Runner',50,500,77797,820859);

insert into Videos values(666808,566,'Interstellar ',50,500,77797,820859);

insert into Videos values(666809,566,'Interstellar ',50,500,77797,820859);

select\* from Videos;





insert into Category values('777891','Action',666789);

insert into Category values('777892','Action',666790);

insert into Category values('777893','Action',666791);

insert into Category values('777894','Action',666792);

insert into Category values('777895','Action',666793);

insert into Category values('777896','Horror',666794);

insert into Category values('777897','Horror',666795);

insert into Category values('777898','Horror',666796);

insert into Category values('777899','drama',666797);

insert into Category values('777900','Horror',666798);

insert into Category values('777901','Drama ',666799);

insert into Category values('777902','Drama ',666800);

insert into Category values('777903','Drama ',666802);

insert into Category values('777904','Horror',666803);

insert into Category values('777905','Children',666804);

insert into Category values('777906','Children',666805);

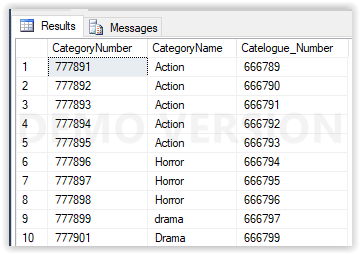
insert into Category values('777907','Children',666806);

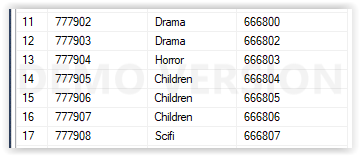
insert into Category values('777908','Scifi ',666807);

insert into Category values('777909','Scifi ',666808);

insert into Category values('777910','Scifi ',666809);

select\*from Category







insert into Status values(666,'Avalible',666789);

insert into Status values(667,'Avalible',666790);

insert into Status values(668,'Avalible',666791);

insert into Status values(669,'Avalible',666792);

insert into Status values(670,'Avalible',666793);

insert into Status values(671,'Avalible',666794);

insert into Status values(672,'Avalible',666795);

insert into Status values(673,'Avalible',666796);

insert into Status values(674,'Not Avalible',666797);

insert into Status values(675,'Not Avalible',666799);

insert into Status values(676,'Not Avalible',666800);

insert into Status values(677,'Not Avalible',666802);

insert into Status values(678,'Not Avalible',666803);

insert into Status values(679,' Not Avalible',666804);

insert into Status values(680,'Not Avalible',666805);

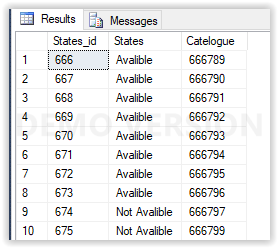
insert into Status values(681,'Not Avalible',666806);

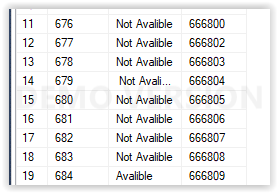
insert into Status values(682,'Not Avalible',666807);

insert into Status values(683,'Not Avalible',666808);

insert into Status values(684,'Avalible',666809);

select\*from Status;





insert into Actor values(321,'Robert Downey Jr',666789);

insert into Actor values(322,'Chadwick Boseman',666790);

insert into Actor values(323,'Tom Cruise',666791);

insert into Actor values(324,'Alden Ehrenreich',666792);

insert into Actor values(325,'Craig T. Nelson',666793);

insert into Actor values(326,'Natalie Portman',666794);

insert into Actor values(327,'Tom Hardy' ,666795);

insert into Actor values(328,'Karen Gillan' ,666796);

insert into Actor values(329,'Tim Robbins' ,666797);

insert into Actor values(330,'Sigourney Weaver' ,666799);

insert into Actor values(331,'Marlon Brando',666800);

insert into Actor values(332,'Craig T. Nelson',666802);

insert into Actor values(333,'Natalie Portman',666803);

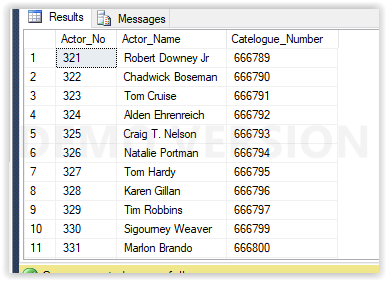
insert into Actor values(334,'Tom Hardy' ,666804);

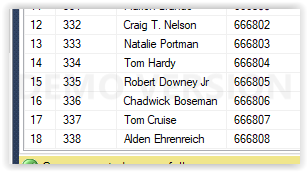
insert into Actor values(335,'Robert Downey Jr',666805);

insert into Actor values(336,'Chadwick Boseman',666806);

insert into Actor values(337,'Tom Cruise',666807);

insert into Actor values(338,'Alden Ehrenreich',666808);





insert into Director values(821,'Anthony Russo',666789);

insert into Director values(822,'Ryan Coogler',666790);

insert into Director values(823,'Christopher McQuarrie',666791);

insert into Director values(824,'Ron Howard',666792);

insert into Director values(825,'Brad Bird',666793);

insert into Director values(826,'Alex Garland',666794);

insert into Director values(827,'George Miller',666795);

insert into Director values(828,'Frank Darabont',666796);

insert into Director values(829,'Ridley Scott',666797);

insert into Director values(830,'Francis Ford Coppola',666799);

insert into Director values(831,'Martin Scorsese',666800);

insert into Director values(832,'Francis Ford Coppola',666802);

insert into Director values(833,'Martin Scorsese',666803);

insert into Director values(834,'Francis Ford Coppola',666804);

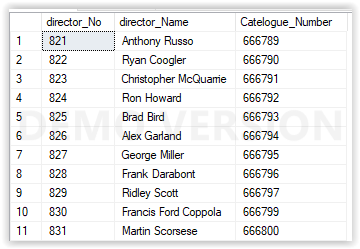
insert into Director values(835,'Alfred Hitchcock ',666805);

insert into Director values(836,'Karey Kirkpatrick',666806);

insert into Director values(837,'Marc Forster',666807);

insert into Director values(838,'Anthony Russo',666808);

insert into Director values(839,'Anthony Russo',666809);





insert into Customer values(777871,'ali','ali mustafa','12/9/2018',77789);

insert into Customer values(777872,'faisal','riaz','12/9/2018',7780);

insert into Customer values(777873,'zaeem','zafar','12/9/2018',77789);

insert into Customer values(777874,'sana','khan','12/9/2018',77789);

insert into Customer values(777875,'noman','saleem','12/9/2018',77789);

insert into Customer values(777876,'saleem','sareem','12/9/2018',7780);

insert into Customer values(777877,'junaid','raza','12/9/2018',77790);

insert into Customer values(777878,'arshad','khan','12/9/2018',77790);

insert into Customer values(777879,'ashar','islam','12/9/2018',77790);

insert into Customer values(777880,'shahrukh','imtiaz','12/9/2018',77792);

insert into Customer values(777881,'fahad','riaz','12/9/2018',77791);

insert into Customer values(777882,'akhtar','zafar','12/9/2018',77795);

insert into Customer values(777883,'zafar','rasool brohi','12/9/2018',77792);

insert into Customer values(777884,'ramzan','rasool brohi','12/9/2018',77791);

insert into Customer values(777885,'ali','hassan ali','12/9/2018',77796);

insert into Customer values(777886,'Riaz','ali Brohi','12/9/2018',77797);

select\*from Customer;





insert into Address values(8971,'391-b mehmoodabad gate karachi',777871);

insert into Address values(8972,'mehmoodabad gate 2 karachi',777871);

insert into Address values(8973,'Nursary',777872);

insert into Address values(8974,'I. I. Chundrigar Road',777873);

insert into Address values(8975,'M. A. Jinnah Road',777874);

insert into Address values(8976,'Napier Road',777875);

insert into Address values(8977,'Zaibunnisa Street',777876);

insert into Address values(8980,'Shahrah-e-Faisal',777877);

insert into Address values(8981,'Rashid Minhas Road',777878);

insert into Address values(8982,'New Muhammad Ali Jinnah Road',777879);

insert into Address values(8983,'Nishtar Road',777880);

insert into Address values(8984,'Shaheen Complex to Tower',777881);

insert into Address values(8985,'Tomb of Quaid-e-Azam to Tower',777882);

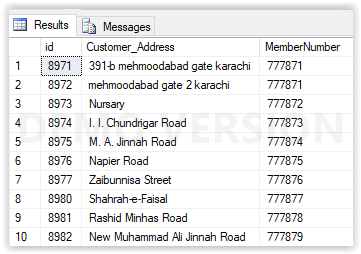
insert into Address values(8986,'I. I. Chundrigar Road to Shah Mahmud Road',777883);

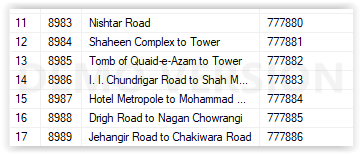
insert into Address values(8987,'Hotel Metropole to Mohammad Ali Jinnah Road',777884);

insert into Address values(8988,'Drigh Road to Nagan Chowrangi',777885);

insert into Address values(8989,'Jehangir Road to Chakiwara Road',777886);

select\*from Address;





insert into VedioRentalOrder values(820859,'Asad Ali',555,'Avengers infinity war',50 ,'12/9/2018','12/12/2018',777871);

insert into VedioRentalOrder values(820860,'Noman',556,'Black Panther',50 ,'12/9/2018','12/12/2018',777872);

insert into VedioRentalOrder values(820861,'Fahad',557,'Mission Impossible',50 ,'12/9/2018','12/12/2018',777873);

insert into VedioRentalOrder values(820862,'Shahrukh',558,'Solo:A Star Wars Story ',50 ,'12/9/2018','12/12/2018',777874);

insert into VedioRentalOrder values(820863,'Saleem',559,'Increadibles 2',50 ,'12/9/2018','12/12/2018',777875);

insert into VedioRentalOrder values(820864,'Khan',560,'Annihilation',50 ,'12/9/2018','12/12/2018',777876);

insert into VedioRentalOrder values(820865,'Junaid Iqbal',561,'Mad Max Fury Road',50 ,'12/9/2018','12/12/2018',777877);

insert into VedioRentalOrder values(820866,'Asim',562,'Avenfers Endgame',50 ,'12/9/2018','12/12/2018',777878);

insert into VedioRentalOrder values(820867,'Arif',563,'The Shawshank Redemption ',50 ,'12/9/2018','12/12/2018',777879);

insert into VedioRentalOrder values(820868,'Noman Khan',564,'Alien',50 ,'12/9/2018','12/12/2018',777880);

insert into VedioRentalOrder values(820869,'Ali Zadi',565,'The Godfather ',50 ,'12/9/2018','12/12/2018',777881);

insert into VedioRentalOrder values(820870,'Fahad Khan',566,'Raging Bull',50 ,'12/9/2018','12/12/2018',777882);

insert into VedioRentalOrder values(820871,'Salman',567,'The Godfather part2',50 ,'12/9/2018','12/12/2018',777882);

insert into VedioRentalOrder values(820872,'Hassan',568,'Psycho ',50 ,'12/9/2018','12/12/2018',777883);

insert into VedioRentalOrder values(820873,'Qazi',569,'Small Foot ',50 ,'12/9/2018','12/12/2018',7778);

insert into VedioRentalOrder values(820874,'Bilal',570,'Christopher Robin ',50 ,'12/9/2018','12/12/2018',777879);

insert into VedioRentalOrder values(820875,'Fahad Khan',566,'Peter Rabbit ',50 ,'12/9/2018','12/12/2018',777875);

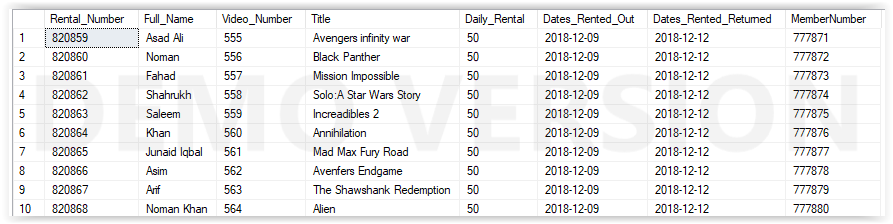
insert into VedioRentalOrder values(820876,'Salman',567,'Arrival',50 ,'12/9/2018','12/12/2018',777876);

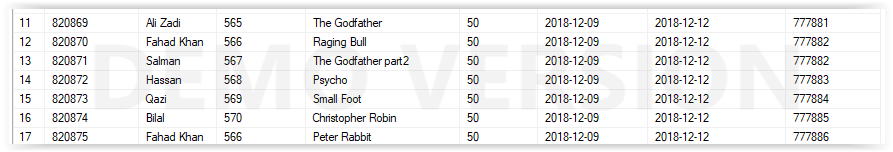
insert into VedioRentalOrder values(820877,'Hassan',568,'Blade Runner',50 ,'12/9/2018','12/12/2018',777877);

insert into VedioRentalOrder values(820878,'Qazi',569,'Interstellar ',50 ,'12/9/2018','12/12/2018',777878);

insert into VedioRentalOrder values(820879,'Bilal',570,'inception ',50 ,'12/9/2018','12/12/2018',777879);

select\*from VedioRentalOrder





Update Command:

An SQL UPDATE statement changes the data of one or more records in a table. Either all the rows can be updated, or a subset may be chosen using a condition. The UPDATE statement has the following form: UPDATE **table\_name SET** column\_name = value [, column\_name = value ...]

update Videos set Main\_Actor='Robert Downey Jr' where Catelogue\_Number=666789;

update Videos set Main\_Actor='Chadwick Boseman' where Catelogue\_Number=666790;

update Videos set Main\_Actor='Tom Cruise' where Catelogue\_Number=666791;

update Videos set Main\_Actor='Alden Ehrenreich' where Catelogue\_Number=666792;

update Videos set Main\_Actor='Craig T. Nelson' where Catelogue\_Number=666793;

update Videos set Main\_Actor='Natalie Portman' where Catelogue\_Number=666794;

update Videos set Main\_Actor='Tom Hardy' where Catelogue\_Number=666795;

update Videos set Main\_Actor='Karen Gillan' where Catelogue\_Number=666796;

update Videos set Main\_Actor='Tim Robbins' where Catelogue\_Number=666797;

update Videos set Main\_Actor='Sigourney Weaver' where Catelogue\_Number=666798;

update Videos set Main\_Actor='Marlon Brando' where Catelogue\_Number=666799;

update Videos set Main\_Actor='Robert De Niro' where Catelogue\_Number=666800;

update Videos set Main\_Actor='Al Pacino' where Catelogue\_Number=666802;

update Videos set Main\_Actor='Robert Bloch ' where Catelogue\_Number=666803;

update Videos set Main\_Actor='Robert De Niro' where Catelogue\_Number=666804;

update Videos set Main\_Actor='Francis' where Catelogue\_Number=666805;

update Videos set Main\_Actor='Robert Bloch ' where Catelogue\_Number=666806;

update Videos set Main\_Actor='Amy Adams' where Catelogue\_Number=666807;

update Videos set Main\_Actor='Harrison Ford ' where Catelogue\_Number=666808;

update Videos set Main\_Actor='Matthew McConaughey' where Catelogue\_Number=666809;

update Director set director\_Name='Anthony Russo' where director\_No=821;

update Director set director\_Name='Ryan Coogler' where director\_No=822;

update Director set director\_Name='Christopher McQuarrie' where director\_No=823;

update Director set director\_Name='Ron Howard ' where director\_No=824;

update Director set director\_Name='Brad Bird ' where director\_No=825;

update Director set director\_Name='Alex Garland' where director\_No=826;

update Director set director\_Name='George Miller ' where director\_No=827;

update Director set director\_Name='Anthony Russo ' where director\_No=828;

update Director set director\_Name='Frank Darabont' where director\_No=829;

update Director set director\_Name='Ridley Scott' where director\_No=830;

update Director set director\_Name='Francis Ford Coppola ' where director\_No=831;

update Director set director\_Name='Martin Scorsese' where director\_No=832;

update Director set director\_Name='Francis Ford Coppola' where director\_No=833;

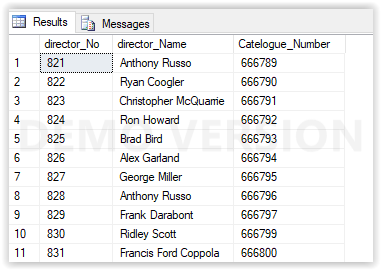
update Director set director\_Name='Alfred Hitchcock ' where director\_No=834;

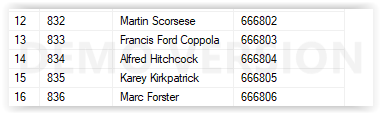
update Director set director\_Name='Karey Kirkpatrick' where director\_No=835;

update Director set director\_Name='Marc Forster' where director\_No=836;

update Director set director\_Name='Will Gluck ' where director\_No=837;

update Director set director\_Name='Denis Villeneuve' where director\_No=839;





Delete Statement:

In the database structured query language (**SQL**), the**DELETE statement** removes one or more records from a table. A subset may be defined for **deletion**using a condition, otherwise all records are removed.

delete from VedioRentalOrder where Rental\_Number=820886;

delete from VedioRentalOrder where Rental\_Number=820867;

delete from Videos where Catelogue\_Number=666793

Alter Statement:

**alter command is used for altering the table structure, such as,**

1. to add a column to existing table.
2. to rename any existing column.
3. to change datatype of any column or to **modify** its size.
4. to drop a column from the table.

alter table Branch drop column Staff\_No;

alter table Staff add BranchNumber int;

alter table Videos drop column status;

alter table customer drop column Address;

alter table VedioRentalOrder drop column Number\_of\_Member;

alter table Videos add Main\_Actor varchar(50);

alter table Videos add director varchar(50);

alter table Videos drop column status;

alter table Customer drop column Address

Truncate Statement:

The **SQL TRUNCATE TABLE statement** is used to remove all records from a **table**. It performs the same function as a DELETE **statement** without a WHERE clause. Warning: If you **truncate** a **table**, the **TRUNCATE TABLE statement** can not be rolled back in some databases.

truncate table Staff;