Date : 17-08-2021

* Ms SQL server installation
* Ssms installation
* Loading sample database(Bikestore)

Queries

1. SELECT :–

SELECT

first\_name,

last\_name

FROM

sales.customers;

1. ORDER BY :–

SELECT

first\_name,

last\_name

FROM

sales.customers

ORDER BY

first\_name;

1. OFFSET FETCH :-

SELECT

product\_name,

list\_price

FROM

production.products

ORDER BY

list\_price DESC,

product\_name

OFFSET 0 ROWS

FETCH FIRST 10 ROWS ONLY;

1. SELECT TOP

SELECT TOP 1 PERCENT

product\_name,

list\_price

FROM

production.products

1. SELECT DISTINCT :-

SELECT DISTINCT

city

FROM

sales.customers

ORDER BY

city;

1. WHERE :-

SELECT

\*

FROM

production.products

WHERE

category\_id = 1 AND model\_year = 2018

1. NULL :-

SELECT

\*

FROM

sales.customers

WHERE

phone IS NULL

1. AND :-

SELECT

\*

FROM

production.products

WHERE

category\_id = 1

AND list\_price > 400

1. OR:-

SELECT

\*

FROM

production.products

WHERE

category\_id = 1

OR list\_price > 400

1. IN:-

SELECT

\*

FROM

production.products

WHERE

list\_price IN (89.99, 109.99, 159.99)

1. BETWEEN:-

SELECT

\*

FROM

production.products

WHERE

list\_price BETWEEN 149.99 AND 199.99

1. LIKE :-

SELECT

\*

FROM

sales.customers

WHERE

last\_name LIKE 'z%'

1. COLUMN & TABLE ALIASES :-

SELECT

first\_name + ' ' + last\_name AS 'Full Name'

FROM

sales.customers

ORDER BY

first\_name;

1. JOINS :-

* Creating table for join operations -creating schema called hr

create schema hr;

* Creating two tables

CREATE TABLE hr.candidates

(

id INT PRIMARY KEY IDENTITY,

fullname VARCHAR(100) NOT NULL

)

CREATE TABLE hr.employee

(

id INT PRIMARY KEY IDENTITY,

fullname VARCHAR(100) NOT NULL

)

* Inserting data into tables

INSERT INTO hr.candidates

(fullname)

VALUES ('Sachine Tendulkar'),

('Virat kohli'),

('Rohit sharma'),

('kapil dev');

INSERT INTO hr.candidates

(fullname)

VALUES ('charles leclers'),

('lewis hamilton');

INSERT INTO hr.employee

(fullname)

VALUES ('sabastian vettel'),

('lewis hamilton'),

('max verstappen'),

('charles leclerc');

* Executing join query

SELECT \*

FROM hr.candidates c

INNER JOIN hr.employee e

ON e.fullname = c.fullname;