Practice Exercise – Week 1 – SQL Course

Note – Once MYSQL installation is complete, click on MYSQL workbench option available in the installed MYSQL to launch MY SQL Workbench.

Once Workbench is launched, connect using the administrator login and password.

Once connected, use the sample database "Sakila" and /or "World" as per the instruction of the exercises.

Use "Sakila" database for the following questions

Q1   Display all tables available in the database "sakila"

Q2   Display structure of table "actor". (4 row)

Q3   Display the schema which was used to create table "actor" and view the complete schema using the viewer. (1 row)

Q4   Display the first and last names of all actors from the table actor. (200 rows)

Q5   Which actors have the last name 'Johansson'. (3 rows)

Q6   Display the first and last name of each actor in a single column in upper case letters. Name the column Actor Name. (200 rows)

Q7   You need to find the ID number, first name, and last name of an actor, of whom you know only the first name, "Joe." What is one query would you use to obtain this information? (1 row)

Q8   Which last names are not repeated? (66 rows)

Q9   List the last names of actors, as well as how many actors have that last

Q10   Use JOIN to display the first and last names, as well as the address, of each staff member. Use the tables "staff" and "address". (2 rows)

Use "world" database for the following questions

Q1   Display all columns and 10 rows from table "city".(10 rows)

Q2   Modify the above query to display from row # 16 to 20 with all columns. (5 rows)

Q3   How many rows are available in the table city. (1 row)-4079.

Q4   Using city table find out which is the most populated city.
('Mumbai (Bombay)', '10500000')

Q5   Using city table find out the least populated city.
('Adamstown', '42')

Q6   Display name of all cities where population is between 670000 to 700000. (13 rows)

Q7   Find out 10 most populated cities and display them in a decreasing order i.e. most populated city to appear first.

Q8   Order the data by city name and get first 10 cities from city table.

Q9   Display all the districts of USA where population is greater than 3000000, from city table. (6 rows)

Q10   What is the value of name and population in the rows with ID =5, 23, 432 and 2021. Pl. write a single query to display the same. (4 rows).