**Queries for Patent Search by Loading Dataset**

**Queries/Code:**CREATE DATABASE IF NOT EXISTS patent;

USE patent;

-- Create Patents table

CREATE TABLE IF NOT EXISTS Patents (

patent\_number VARCHAR(255) PRIMARY KEY,

title VARCHAR(255),

inventor\_name VARCHAR(255),

patent\_class VARCHAR(255),

filing\_date DATE,

assignee\_name VARCHAR(255),

abstract TEXT

);

SHOW VARIABLES LIKE 'secure\_file\_priv';

-- Load data from CSV file into Patents table

LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/patent.csv'

INTO TABLE Patents

FIELDS TERMINATED BY ','

ENCLOSED BY '"'

LINES TERMINATED BY '\n'

IGNORE 1 ROWS; -- Skip header row if exists

#Selecting from the users table

SELECT \* FROM Patents;

-- Search by Patent Number

SELECT \* FROM Patents

WHERE patent\_number = 'US2015269825A1';

-- Search by Title Keywords

SELECT \* FROM Patents

WHERE title LIKE '%Glucose management%';

-- Search by Inventor Name

SELECT \* FROM Patents

WHERE inventor\_name IN ('Michael Mong Bao Tran');

-- Search by Filing Date

SELECT \* FROM Patents

WHERE filing\_date = '2014-03-20';