Cheat Sheet of Common SQL Commands

SQL Command	Syntax	Example Usage
CREATE DATABASE	CREATE DATABASE database_name	CREATE DATABASE rockbuster
CREATE INDEX	CREATE INDEX index_name ON table_name(columnname)	CREATE INDEX idx_film_tbl ON film(film_id)
CREATE TABLE	CREATE TABLE table_name (column_name1 TYPE column_constraints, column_name2 TYPE column_constraints, …)	CREATE TABLE film_2 (film_id integer, title VARCHAR(255), description text, release_year year)
INSERT	INSERT INTO table_name (column_name 1,column_name 2, ...) VALUES(value 1,value 2, ...)	INSERT INTO film_2(title, description, release_year) VALUES('The Avengers:End Game', 'American Marvel Comic Movie', 2019)
ALTER TABLE	ALTER TABLE table_name ADD column_name DATATYPE	ALTER TABLE film ADD film_imdb INT
SELECT with FROM	SELECT column_name 1, column_name 2, … FROM table_name	SELECT film_id, title FROM film
SELECT with WHERE	SELECT column_name FROM table_name WHERE condition	SELECT * FROM film WHERE rental_rate <1.99
UPDATE	UPDATE table_name SET column_name = value1 WHERE column_name = value2	UPDATE film SET release_year = 1999 WHERE title = 'The Matrix'
DELETE	DELETE FROM table_name	DELETE FROM film

	WHERE condition	WHERE title = 'The Avengers:End Game'
DROP TABLE	DROP TABLE table_name	DROP TABLE film
DROP INDEX	DROP INDEX index_name	DROP INDEX idx_film