Cheat Sheet of Common SQL Commands

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| **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 (  film\_id integer,  title VARCHAR(255),  description text, release\_year integer  ) |
| INSERT | INSERT INTO table\_name (column\_name 1,column\_name 2, ...) VALUES(value 1,value 2, ...) | INSERT INTO film(title, description,language\_id, 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 WHERE condition | DELETE FROM film  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 |