**SQL Language**

1. **Data Definition Language (DDL)**

**CREATE TABLE (BASIC)**

**ALTER TABLE (BASIC)**

**TRUNCATE TABLE (BASIC)**

**CREATE VIEW (BASIC)**

**CREATE FUNCTION (ADVANCED)**

**CREATE PROCEDURE (ADVANCED)**

1. **Data Manipulation Language (DML)**

**INSERT INTO (BASIC)**

**UPDATE TABLE (BASIC)**

**DELETE FROM TABLE (BASIC)**

**MERGE (BASIC)**

1. **Data Retrieval Language (DRL)**

**SELECT (BASIC)**

1. **Transactional Control Language (TCL)**

**COMMIT (BASIC)**

**ROLLBACK (BASIC)**

1. **Data Control Language (DCL)**

**GRANT (BASIC)**

**REVOKE (BASIC)+**

**Learn Built-in Functions: (BASIC)**

**String Based Functions**

**Date/Timestamp Functions**

**Number/Float/Int Functions**

**Conditional Statement: (BASIC)**

**WHERE Statement**

**CASE Statement**

**IF Statement**

**Aggregation Statement: (BASIC)**

**GROUP BY**

**ORDER BY**

**HAVING**

**QUALIFY(ADVANCED)**

**Joins: (BASIC)**

**Inner Join**

**Full Outer Join**

**Left / Right Outer Join**

**Aggregation Functions: (ADVANCED)**

**https://bytescout.com/blog/analytical-sql-queries.html**

**ROW\_NUMBER()**

**RANK()**

**DENSE\_RANK()**

**OVER (PARTITIOIN BY xxx)**

**OVER (PARTITIOIN BY xxx ORDER BY xxx)**

**Loops: (ADVANCED)**

**For Loop**

**Procedural/Scripting Statements: (ADVANCED)**

**SET**

**DEFINE**

**BEGIN END**

**CREATE PROCEDURE**

**COMMON TABLE EXPRESSION**

**WITH STATEMENT (ADVANCED)**

**MYSQL or POSTGRES Flavor of SQL**

[**https://www.w3schools.com/mysql/default.asp**](https://www.w3schools.com/mysql/default.asp)

[**https://www.w3schools.com/postgresql/index.php**](https://www.w3schools.com/postgresql/index.php)

**Video Resources:**

**https://www.udemy.com/course/the-complete-sql-bootcamp/learn/lecture/19242668#overview**