SQL Metadata Query Reference Sheet

# SQL Server (T-SQL)

1. List All Tables

SELECT name, schema\_id  
FROM sys.tables;

2. List All Columns in a Specific Table

SELECT name, column\_id, system\_type\_id  
FROM sys.columns  
WHERE object\_id = OBJECT\_ID('YourTableName');

3. List Indexes on a Table

SELECT i.name AS IndexName, i.type\_desc, c.name AS ColumnName  
FROM sys.indexes i  
JOIN sys.index\_columns ic ON i.object\_id = ic.object\_id AND i.index\_id = ic.index\_id  
JOIN sys.columns c ON ic.object\_id = c.object\_id AND ic.column\_id = c.column\_id  
WHERE i.object\_id = OBJECT\_ID('YourTableName');

4. List All Stored Procedures

SELECT name, type\_desc  
FROM sys.procedures;

# MySQL

1. List All Tables

SELECT table\_name   
FROM information\_schema.tables   
WHERE table\_schema = 'your\_database';

2. List All Columns in a Table

SELECT column\_name, data\_type, is\_nullable  
FROM information\_schema.columns  
WHERE table\_name = 'your\_table' AND table\_schema = 'your\_database';

3. List Indexes on a Table

SHOW INDEXES FROM your\_table;

4. List Stored Procedures

SELECT routine\_name, routine\_type  
FROM information\_schema.routines  
WHERE routine\_schema = 'your\_database';

# PostgreSQL

1. List All Tables

SELECT tablename  
FROM pg\_tables  
WHERE schemaname NOT IN ('pg\_catalog', 'information\_schema');

2. List Columns in a Table

SELECT column\_name, data\_type  
FROM information\_schema.columns  
WHERE table\_name = 'your\_table';

3. List Indexes

SELECT indexname, indexdef  
FROM pg\_indexes  
WHERE tablename = 'your\_table';

4. List All Functions

SELECT proname, proargtypes  
FROM pg\_proc  
JOIN pg\_namespace ON pg\_proc.pronamespace = pg\_namespace.oid  
WHERE nspname NOT IN ('pg\_catalog', 'information\_schema');

# Oracle

1. List All Tables

SELECT table\_name FROM user\_tables;

2. List Columns in a Table

SELECT column\_name, data\_type  
FROM user\_tab\_columns  
WHERE table\_name = 'YOUR\_TABLE';

3. List Constraints

SELECT constraint\_name, constraint\_type, table\_name  
FROM user\_constraints;

4. List Indexes

SELECT index\_name, table\_name  
FROM user\_indexes;