

SQL Server Cheat Sheet

Database Operations

• Create Database

```
CREATE DATABASE database_name;
```

• Drop Database

```
DROP DATABASE database_name;
```

• Select Database

```
USE database_name;
```

Table Operations

• Create Table

```
CREATE TABLE table_name (  
    column1 datatype,  
    column2 datatype,  
    ...  
);
```

• Drop Table

```
DROP TABLE table_name;
```

• Alter Table (Add Column)

```
ALTER TABLE table_name ADD column_name datatype;
```

• Alter Table (Modify Column)

```
ALTER TABLE table_name ALTER COLUMN column_name datatype;
```

• Truncate Table (Delete All Rows)

```
TRUNCATE TABLE table_name;
```

Views

• Create View

```
CREATE VIEW view_name AS  
SELECT column1, column2, ...  
FROM table_name;
```

• Drop View

```
DROP VIEW view_name;
```

• Alter View

```
ALTER VIEW view_name AS  
SELECT column1, column2, ...  
FROM table_name;
```

• Select from View

```
SELECT * FROM view_name;
```

Indexes

• Create Index

```
CREATE INDEX index_name ON table_name (column1, column2, ...);
```

• Drop Index

```
DROP INDEX index_name ON table_name;
```

Stored Procedures

• Create Stored Procedure

```
CREATE PROCEDURE procedure_name  
    @parameter1 datatype,  
    @parameter2 datatype  
AS  
BEGIN  
    SQL statements  
END;
```

• Drop Stored Procedure

```
DROP PROCEDURE procedure_name;
```

• Execute Stored Procedure

```
EXEC procedure_name @parameter1 = value1, @parameter2 = value2;
```

Functions

```
...  
);
```

• Add to Existing Table

```
ALTER TABLE table_name ALTER COLUMN column_name datatype NOT NULL;
```

• Drop NOT NULL Constraint

```
ALTER TABLE table_name ALTER COLUMN column_name datatype NULL;
```

Identity Columns

• Add Identity to New Table

```
CREATE TABLE table_name (  
    column_name datatype IDENTITY(1,1),  
    ...  
);
```

• Reset Identity Seed

```
DBCC CHECKIDENT (table_name, RESEED, 0);
```

Data Manipulation

• Insert One Row

```
INSERT INTO table_name (column1, column2, ...) VALUES (value1, value2, ...);
```

• Insert Multiple Rows

```
INSERT INTO table_name (column1, column2, ...)  
VALUES (value1, value2, ...), (value1, value2, ...), ...;
```

• Select All Columns

```
SELECT * FROM table_name;
```

• Select Specific Columns

```
SELECT column1, column2, ... FROM table_name;
```

• Update Rows

```
UPDATE table_name SET column1 = value1, column2 = value2, ... WHERE condition;
```

• Delete Rows

```
DELETE FROM table_name WHERE condition;
```

Constraints

NOT NULL

• Add to New Table

```
CREATE TABLE table_name (  
    column_name datatype NOT NULL,
```