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SQL FILE

COMMENTS	

Block comment (multi-line)	```/* Commented```
	 ``` Out```
	 ```*/```

Single-line comment	```--Commented Out```

CREATING A TABLE

Create table syntax	```CREATE TABLE [IF NOT EXISTS] TableName (```
	 ``` ColumnName1 DataType [UNIQUE] [NOT NULL],```
	 ``` ColumnName2 DataType, [...]```
	 ```);```

Create auto-increment primary key	```CREATE TABLE [IF NOT EXISTS] TableName (```
	 ``` ColumnName1 DataType PRIMARY KEY```
	 ```);```

Using CONSTRAINT: Can add multiple columns to a primary key	```CREATE TABLE [IF NOT EXISTS] TableName (```
	 ``` ColumnName1 DataType, [...]```
	 ``` CONSTRAINT PK_Name PRIMARY KEY (Columns)```
	 ```);```

Create an auto-increment primary key	```CREATE TABLE [IF NOT EXISTS] TableName (```
	 ``` ColumnName1 INT PRIMARY KEY AUTOINCREMENT```
	 ```);```

Example: Create new table Orders with 3 columns: Id, Name, Total	```CREATE TABLE Order(```
	 ``` OrderId INT PRIMARY KEY AUTOINCREMENT,```
	 ``` Name VARCHAR(255),```
	 ``` Total REAL```
	 ```);```

ALTERING & DELETING A TABLE

Add column	`ALTER TABLE TableName` `ADD COLUMN ColumnName DataType;`

Set default value for rows	`ALTER TABLE TableName`
	`ADD COLUMN ColumnName`
	`NOT NULL DEFAULT DefaultValue;`

Drop column	`ALTER TABLE TableName` `DROP COLUMN ColumnName`
Rename column	`ALTER TABLE TableName` `RENAME COLUMN OldName TO NewName`
Rename table	`ALTER TABLE TableName` `RENAME TO NewTableName`
Truncate table	`TRUNCATE TABLE TableName;`
Delete a table	`DROP TABLE TableName;`

JOINING TABLES

Join tables on condition	`SELECT Columns`
	`FROM Table1, Table2`
	`WHERE [condition];`

Inner Join (Same as above)	`SELECT Columns`
	`FROM Table1`
	`INNER JOIN Table2`
	`ON [condition];`

Left Join: All rows in left (Table1) table plus matching rows in right (Table2) table.	`SELECT Columns`
	`FROM Table1`
	`LEFT JOIN Table2`
	`ON Table1.Column = Table2.Column`

Using an alias (AS)	`SELECT T1.Col1, T2.Col2`
	`FROM Table1 AS T1`
	`INNER JOIN Table2 AS T2`
	`ON T1.Id = T2.Id`