

A decorative graphic on the left side of the slide, consisting of a network of light blue lines and small circles, resembling a circuit board or a neural network, extending from the top and bottom edges towards the center.

STORED PROCEDURES AND PROGRAMMING LOGIC

CONDITIONAL LOGIC

- IF
 - Test a condition and run next line if true
- ELSE
 - Run a line when the IF is not true
- BEGIN END blocks
 - Used when more than one line needs to run
- Can nest IF blocks

LOOPING

- WHILE
 - Use a counter
 - Run a query
- Caution!
 - Make sure that you don't create an endless loop!
- Can nest WHILE loops and combine with IF

STORED PROCEDURES

- Can do just about anything!
- Often used for CRUD operations
- Used to control security
 - Keep users from needing access to the tables directory
- Parameters
 - Defaults
 - Best practice to name all parameters
- Cannot be used in a query
 - Can populate an existing table

SYNTAX

```
CREATE PROC(EDURE) <name> @Param1 datatype, @param2 datatype =  
<value> AS
```

```
--the statements
```

```
RETURN 1 --optional return value
```