# Querying with the SQL API



Leonard Lobel
CTO, SLEEK TECHNOLOGIES
lennilobel.wordpress.com

## Rich Query with SQL

#### Cosmos DB SQL

Special version of SQL designed for JSON .NET SDK also includes a LINQ provider

#### Work with JSON

Descend into any subsection of a document Iterate nested arrays for intra-document join Return documents as-is, or as custom shape

### Familiar keywords

SELECT, FROM, WHERE, JOIN, IN, BETWEEN, ORDER BY

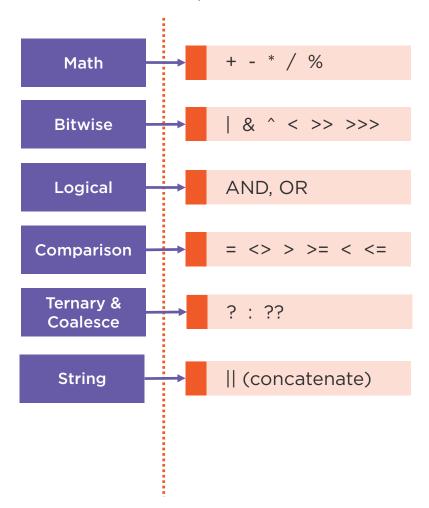
### Example

SELECT ch.name, ch.birthdate
FROM Families AS f
JOIN ch IN f.children
WHERE f.address.state = 'CA'

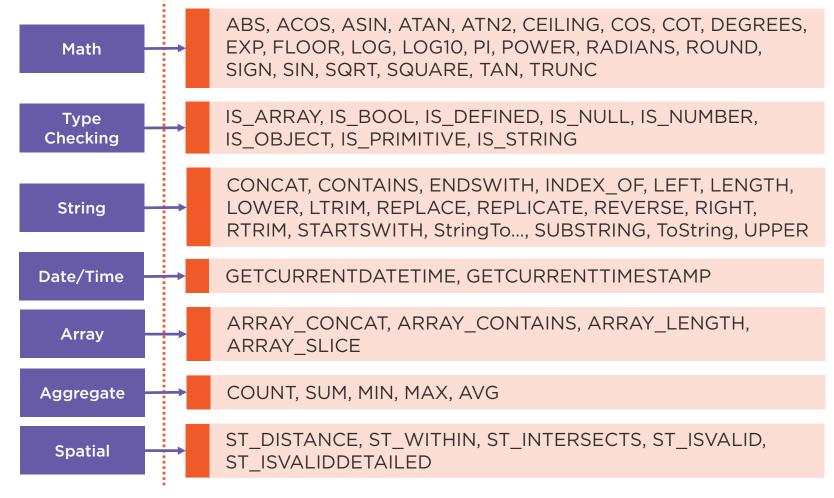


### SQL Operators and Functions

### Common operators



### Built-in functions





Simple SQL Query





**Scalar Expression Queries** 





**Query Operators and Built-in Functions** 





**Querying a Container** 





**More SQL Queries** 





**Aggregation Queries** 





**Spatial Queries** 



### Summary



Query documents using SQL

Accessing nested data

**Query operators** 

**Built-in functions** 

Projecting custom shapes

Range queries and sorting

**Aggregation queries** 

**Spatial queries** 

