

# SQL INDEXES

syntax & example

# SINGLE-COLUMN INDEX

## Syntax

```
CREATE INDEX index_name ON table_name  
    (column_name);
```

## Example

```
CREATE INDEX idx_lastname ON  
    Employees (LastName);
```

it will create index on Last\_name Column



# COMPOSITE INDEX

## Syntax

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

## Example

```
CREATE INDEX idx_name ON  
Employees (LastName, FirstName);
```

This index speeds up queries that search for employees by both last name and first name.



# UNIQUE INDEX

## Syntax

```
CREATE UNIQUE INDEX index_name ON  
table_name (column_name);
```

## Example

```
CREATE UNIQUE INDEX idx_employeeid  
ON Employees (EmployeeID);
```

This ensures that each EmployeeID is unique across the table.



# FULL-TEXT INDEX

## Syntax

```
CREATE FULLTEXT INDEX index_name ON  
table_name (text_column);
```

## Example

```
CREATE FULLTEXT INDEX index_name  
ON Books (Content)  
KEY INDEX PK_Books ON BookCatalog;
```

Full-text index by creating a catalog

