

SQLite

Felipe L. Pinheiro

Universidade de Brasília
Instituto de Ciências Exatas
Departamento de Ciência da Computação
Metodologia de pesquisa

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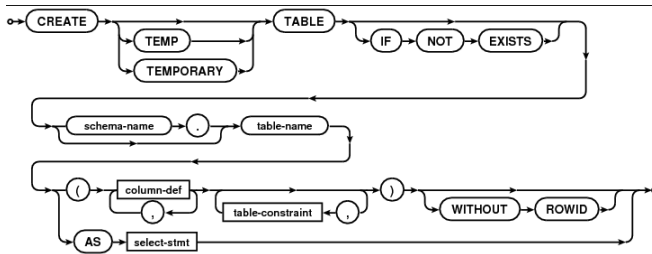


Figure: Esquema do statment CREATE TABLE

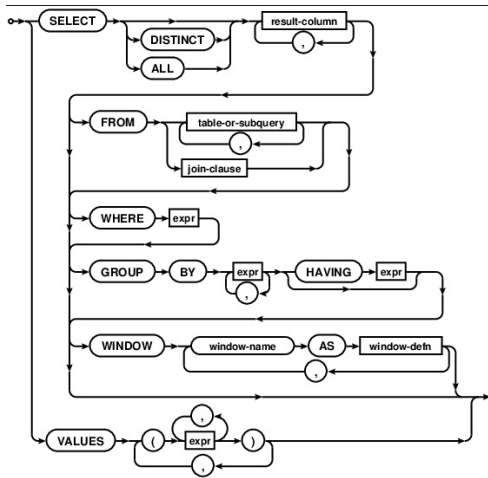


Figure: Esquema do comando SELECT

Exemplo

```
static async Task Main(){  
    var connection = new SqlConnection  
        ("Data Source=StreamingSample.db");  
    connection.Open();  
  
    var createCommand = connection.CreateCommand();  
    createCommand.CommandText =  
        @"CREATE TABLE data (  
            id INTEGER PRIMARY KEY AUTOINCREMENT,  
            value BLOB  
        )";  
    createCommand.ExecuteNonQuery();  
}
```

Exemplo

```
using (var inputStream = File.OpenRead
("input.txt")){
    var insertCommand = connection.CreateCommand();
    insertCommand.CommandText =
@"INSERT INTO data(value)
  VALUES (zeroblob($length));
  SELECT last_insert_rowid();";
    insertCommand.Parameters.AddWithValue
("$length", inputStream.Length);
    var rowid = (long)insertCommand
        .ExecuteScalar();
```

Exemplo

```
using (var writeStream = new SqliteBlob  
(connection, "data", "value", rowid)){  
    Console  
        .WriteLine("Writing the large object...");  
  
    await inputStream.CopyToAsync(writeStream);  
}  
}
```

Exemplo

```
using (var outputStream = Console
    .OpenStandardOutput()){
    var selectCommand = connection
        .CreateCommand();
    selectCommand.CommandText =
        @"
SELECT id, value
FROM data
LIMIT 1
";
```

Exemplo

```
using (var reader = selectCommand.ExecuteReader)
while (reader.Read()){
    using (var readStream = reader.GetStream(1)){
        Console.WriteLine("Reading the large object.");
        await readStream.CopyToAsync(outputStream);
    }
}
}
```


Exemplo

```
connection.Close();  
File.Delete("StreamingSample.db");  
}
```