

#Carregando arquivo

```
LOAD CSV WITH HEADERS FROM "file:///sakila/address.csv" AS line FIELDTERMINATOR ','
```

```
MERGE(:address
```

```
{address_id : line.address_id,
```

```
address : line.address,
```

```
address2 : line.address2,
```

```
district : line.district,
```

```
city_id : line.city_id,
```

```
postal_code : line.postal_code,
```

```
phone : line.phone,
```

```
location : line.location,
```

```
last_update : line.last_update
```

```
})
```

#Criando Índice

```
CREATE INDEX AddressID IF NOT EXISTS FOR (a:address) ON (a.address_id)
```

```
CREATE INDEX AddressCityID IF NOT EXISTS FOR (a:address) ON (a.city_id)
```

#Carregando arquivo

```
LOAD CSV WITH HEADERS FROM "file:///sakila/language.csv" AS line FIELDTERMINATOR ','
```

```
MERGE(:language
```

```
{language_id : line.language_id,
```

```
name : line.name,
```

```
last_update : line.last_update
```

```
})
```

#Criando Índice

```
CREATE INDEX LanguageID IF NOT EXISTS FOR (a:language) ON (a.language_id)
```

#Carregando arquivo

```
LOAD CSV WITH HEADERS FROM "file:///sakila/inventory.csv" AS line FIELDTERMINATOR ','
```

```
MERGE(:inventory
{inventory_id : line.inventory_id,
film_id : line.film_id,
store_id : line.store_id,
last_update : line.last_update
})
```

#Carregando arquivo

#Criando Índice

```
CREATE INDEX InventoryID IF NOT EXISTS FOR (a:inventory) ON (a.inventory_id)
CREATE INDEX Inventory_Film_ID IF NOT EXISTS FOR (a:inventory) ON (a.film_id)
```

#Carregando arquivo

```
LOAD CSV WITH HEADERS FROM "file:///sakila/customer.csv" AS line FIELDTERMINATOR ','
```

```
MERGE(:customer
{customer_id : line.customer_id,
store_id : line.store_id,
first_name : line.first_name,
last_name : line.last_name,
email : line.email,
address_id : line.address_id,
active : line.active,
create_date : line.create_date,
last_update : line.last_update
})
```

#Criando Índice

```
CREATE INDEX CustomerID IF NOT EXISTS FOR (a:customer) ON (a.customer_id)
CREATE INDEX CustomerAddressID IF NOT EXISTS FOR (a:customer) ON (a.address_id)
```

#Carregando arquivo

```
LOAD CSV WITH HEADERS FROM "file:///sakila/country.csv" AS line FIELDTERMINATOR ';'
MERGE(:country
{country_id : line.country_id,
country : line.country,
last_update : line.last_update
})
```

#Criando Índice

```
CREATE INDEX CountryID IF NOT EXISTS FOR (a:country) ON (a.country_id)
```

#Carregando arquivo

```
LOAD CSV WITH HEADERS FROM "file:///sakila/actor.csv" AS line FIELDTERMINATOR ';'
MERGE(:actor
{actor_id : line.actor_id,
first_name : line.first_name,
last_name : line.last_name,
last_update : line.last_update
})
```

#Criando Índice

```
CREATE INDEX ActorID IF NOT EXISTS FOR (a:actor) ON (a.actor_id)
```

#Carregando arquivo

```
LOAD CSV WITH HEADERS FROM "file:///sakila/category.csv" AS line FIELDTERMINATOR ';'
MERGE(:category
{category_id : line.category_id,
name : line.name,
last_update: line.last_update
})
```

#Criando Índice

```
CREATE INDEX CategoryID IF NOT EXISTS FOR (a:category) ON (a.category_id)
```

```
#Carregando arquivo
```

```
LOAD CSV WITH HEADERS FROM "file:///sakila/city.csv" AS line FIELDTERMINATOR ','
```

```
MERGE(:city
```

```
{city_id : line.city_id,
```

```
city: line.city,
```

```
country_id: line.country_id,
```

```
last_update: line.last_update
```

```
})
```

```
#Criando Índice
```

```
CREATE INDEX CityID IF NOT EXISTS FOR (a:city) ON (a.city_id)
```

```
#Carregando arquivo
```

```
LOAD CSV WITH HEADERS FROM "file:///sakila/film.csv" AS line FIELDTERMINATOR ','
```

```
MERGE(:film
```

```
{film_id : line.film_id,
```

```
title : line.title,
```

```
description : line.description,
```

```
release_year : line.release_year,
```

```
language_id : line.language_id,
```

```
original_language_id : line.original_language_id,
```

```
rental_duration : line.rental_duration,
```

```
rental_rate : line.rental_rate,
```

```
length : line.length,
```

```
replacement_cost : line.replacement_cost,
```

```
rating : line.rating,
```

```
special_features : line.special_features,
```

```
last_update : line.last_update
```

```
})
```

#Criando Índice

```
CREATE INDEX FilmID IF NOT EXISTS FOR (a:film) ON (a.film_id)
```

```
CREATE INDEX FilmLanguageID IF NOT EXISTS FOR (a:film) ON (a.language_id)
```

#Carregando arquivo e relacionando

```
LOAD CSV WITH HEADERS FROM "file:///sakila/film_actor.csv" AS line FIELDTERMINATOR ','
```

```
MATCH(f:film {film_id : line.film_id})
```

```
MATCH(a:actor {actor_id : line.actor_id})
```

```
MERGE (a)-[:AtuouEm {last_update : line.last_update}]->(f)
```

```
MATCH p=()-[:r:AtuouEm]->() RETURN p LIMIT 100
```

#Carregando arquivo e relacionando

```
LOAD CSV WITH HEADERS FROM "file:///sakila/film_category.csv" AS line FIELDTERMINATOR ','
```

```
MATCH (f:film {film_id : line.film_id})
```

```
MATCH (c:category {category_id : line.category_id})
```

```
MERGE (f)-[:Pertence {last_update : line.last_update}]->(c)
```

```
MATCH (c:category),(f:film) WHERE (f)-[:Pertence]->(c) RETURN f,c
```

#Relacionando a tabela city e address

```
MATCH (c:city), (a:address)
```

```
WHERE c.city_id = a.city_id
```

```
MERGE (a)-[:Pertence]->(c)
```

Quantos filmes existem em cada língua/idioma?

```
MATCH (f:language), (a:film)
```

```
WHERE f.language_id = a.language_id
```

```
MERGE (a)-[:idioma2]->(f)
```

```
RETURN f.name as Nome,count(a) as Idioma
```