

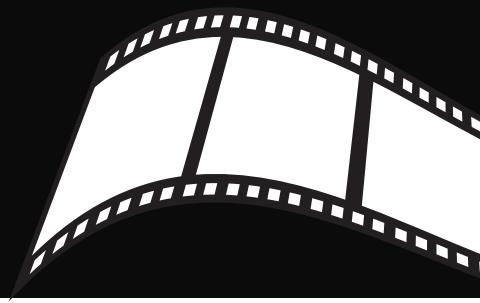


Rockbuster Stealth LLC

Data Dictionary

Prepared by Sarah Boller

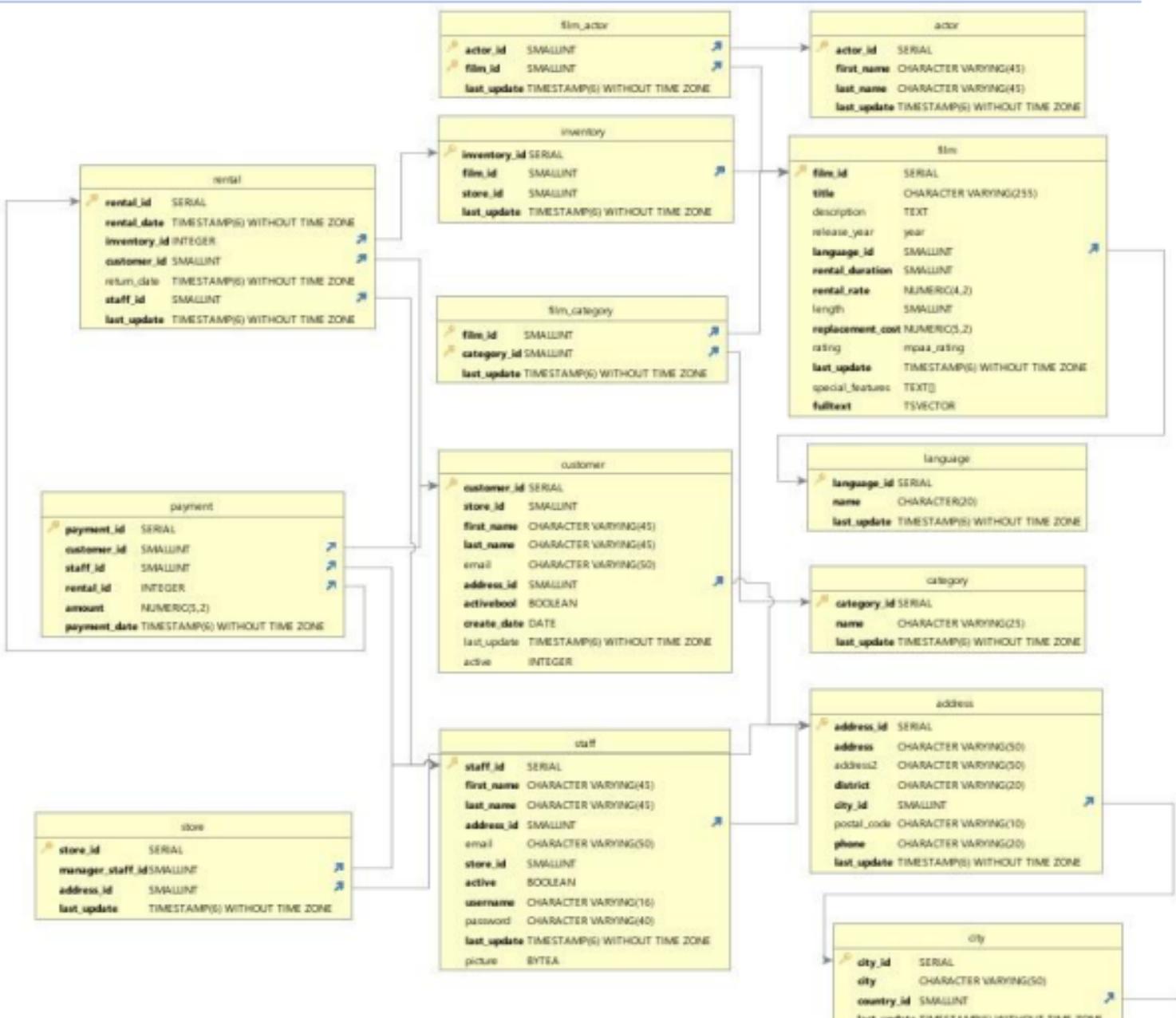
TABLE OF CONTENTS

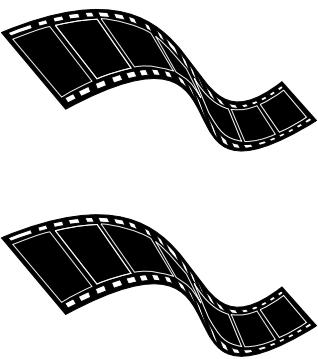


- 3 ENTITY RELATIONSHIP DIAGRAM (ERD)**
- 4 LEGEND**
- 4 RENTAL TABLE**
- 5 PAYMENT TABLE**
- 6 FILM_ACTOR TABLE**
- 6 INVENTORY TABLE**
- 7 ACTOR TABLE**
- 7 LANGUAGE TABLE**
- 8 FILM TABLE**
- 9 STORE TABLE**
- 9 COUNTRY TABLE**
- 10 CITY TABLE**
- 11 ADDRESS TABLE**
- 12 STAFF TABLE**
- 13 CATEGORY TABLE**
- 13 FILM CATEGORY TABLE**
- 14 CUSTOMER TABLE**



ENTITY RELATIONSHIP DIAGRAM (ERD)





LEGEND:

 Primary Key (PK)

 Foreign Key (FK)

RENTAL TABLE:

KEY	COLUMN	DATA TYPE	DESCRIPTION
	rental_id	Serial	Rental Serial Number
	Rental_date	Timestamp (6) W/O Time Zone	Date of Rental
	inventory_id	Integer	Number assigned to rental in inventory
	customer_id	Smallint	Number Assigned to customer
	return_date	Timestamp (6) w/o Time Zone	Date of return
	staff_id	SmallInt	Number assigned to staff member
	last_update	TimeStamp (6) w/o time zone	Date of last update

Linked To

Table



Join

inventory

ON rental.inventory_id (FK) = inventory.inventory_id (PK)

customer

ON rental.customer_id (FK) = customer.customer_id (PK)

staff

ON rental.staff_id (FK) = staff.staff_id (PK)

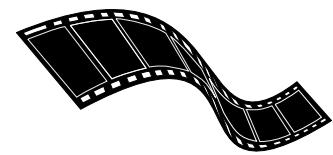
Table



Join

payment

ON rental.rental (PK) = payment.rental_id (FK)



PAYMENT TABLE:

Key	Column	Data Type	Description
.PrimaryKey	payment_id	Serial	Payment Serial Number
PrimaryKey	customer_id	Smallint	Number assigned to Customer
PrimaryKey	staff_id	Smallint	Number assigned to Staff Member
PrimaryKey	Rental_id	Integer	Number Assigned to Rental
	Amount	Numeric (5,2)	Amount Paid
	payment_date	TimeStamp (6) w/o time zone	Date of Payment

Linked To

Table

customer ON payment.customer_id (FK) = customer.customer_id (PK)

staff ON payment.staff_id (FK) = staff.staff_id (PK)

rental ON payment.rental_id (FK) = rental.rental_id (FK)

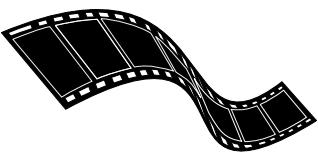
Join

Linked From

Table

N/A N/A

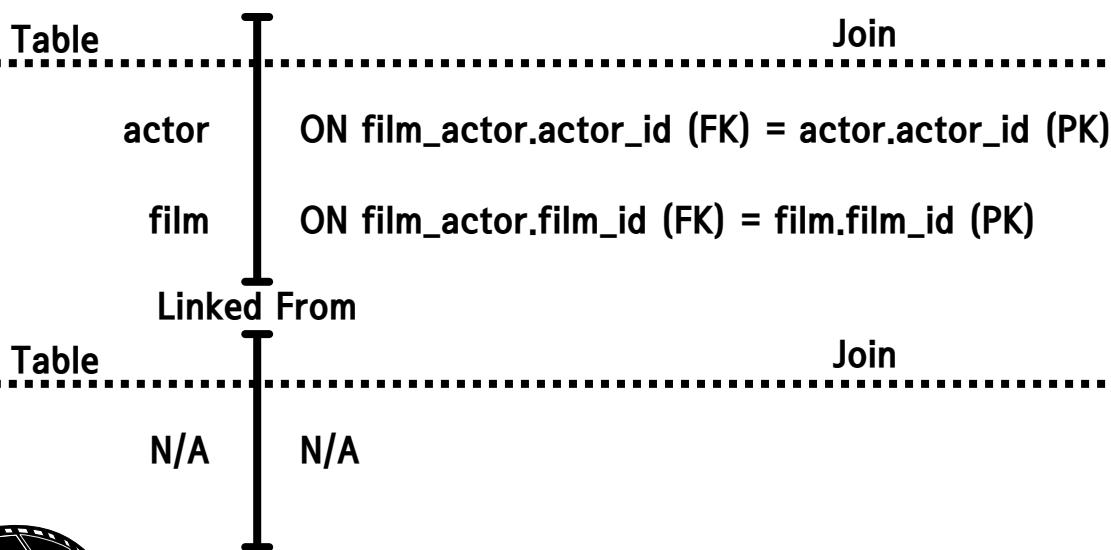
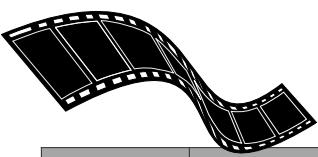
Join



FILM_ACTOR TABLE:

Key	Column	Data Type	Description
	actor_id	Smallint	Number assigned to actor
	film_id	Smallint	Number Assigned to film
	last_update	TimeStamp (6) w/o time zone	Date of last update

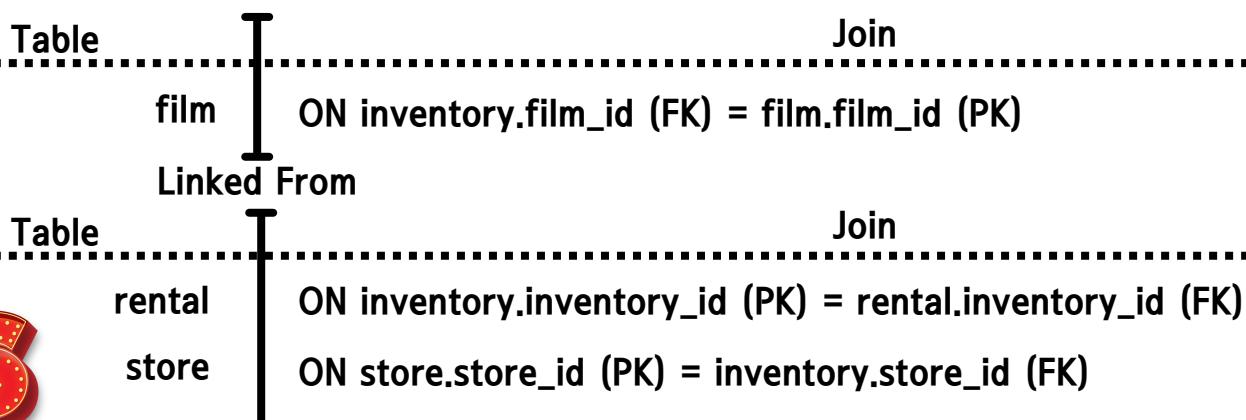
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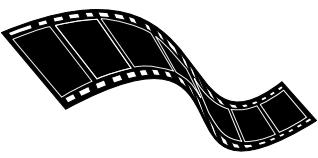



INVENTORY TABLE:

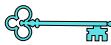
Key	Column	Data Type	Description
	Inventory_id	Serial	Inventory Serial Number
	film_id	Smallint	Number Assigned to film
	store_id	Smallint	Number Assigned to store
	last_update	TimeStamp (6) w/o time zone	Date of last update

Linked To





ACTOR TABLE:

Key	Column	Data Type	Description
	actor_id	Smallint	Number assigned to actor
	first_name	Character Varying (45)	Actor's first name
	last_name	Character Varying (45)	Actor's last name
	last_update	TimeStamp (6) w/o time zone	Date of last update

Linked To

Table

N/A N/A

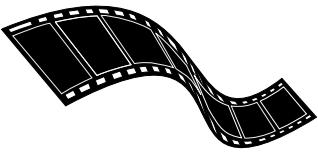
Join

Table

film_actor ON film_actor_id (FK) = actor.actor_id (PK)

Linked From

Join



LANGUAGE TABLE:

Key	Column	Data Type	Description
	language_id	Serial	Language serial Number
	name	Character (20)	Type of language
	last_update	TimeStamp (6) w/o time zone	Date last updated

Linked To

Table

N/A N/A

Join

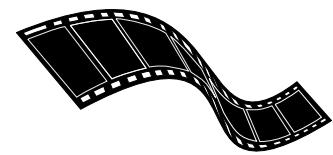
Table

Linked From

Join

film ON film_language_id (FK) = language.language_id (PK)





FILM TABLE:

Key	Column	Data Type	Description
	film_id	Serial	Film Serial Number
	title	Character Varying (255)	Title of film
	description	Text	Description of film
	release_year	Year	Year film was released
	language_id	Smallint	Film's language type
	rental_duration	Smallint	How long film was rented
	rental_rate	Numeric (4,2)	Cost of film rental
	length	Smallint	Length of film
	replacement_cost	Numeric (5,2)	Cost to replace film
	rating	mpaa_rating	Film's rating
	last_update	TimeStamp (6) w/o time zone	Date of last update
	special_features	Text	Film special features
	fulltext	TSVector	Text of film

Linked To

Table

T

Join

language

ON film.language_id (FK) = language_id (PK)

Linked From

Table

Join

film_actor

On film.film_id (PK) = film_actor.film_id (FK)

film_category

On film.film_id (PK) = film_category.film_id (FK)

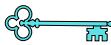
inventory

On film.film_id (PK) = inventory.film_id (FK)

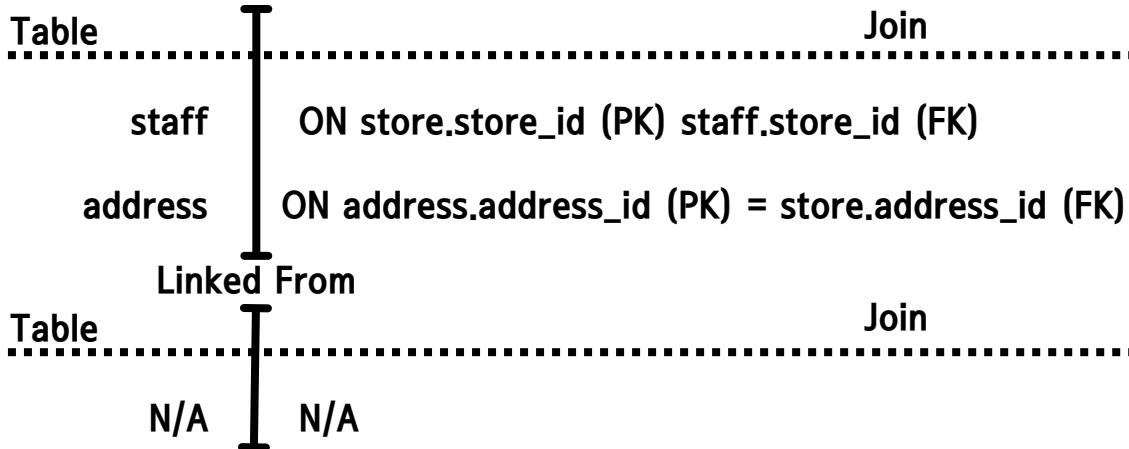




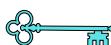
STORE TABLE:

Key	Column	Data Type	Description
	store_id	Serial	Store's serial number
	manager_staff_id	Smallint	Number assigned to manager
	address_id	Smallint	number assigned to address
	last_update	TimeStamp (6) w/o time zone	Date of last update

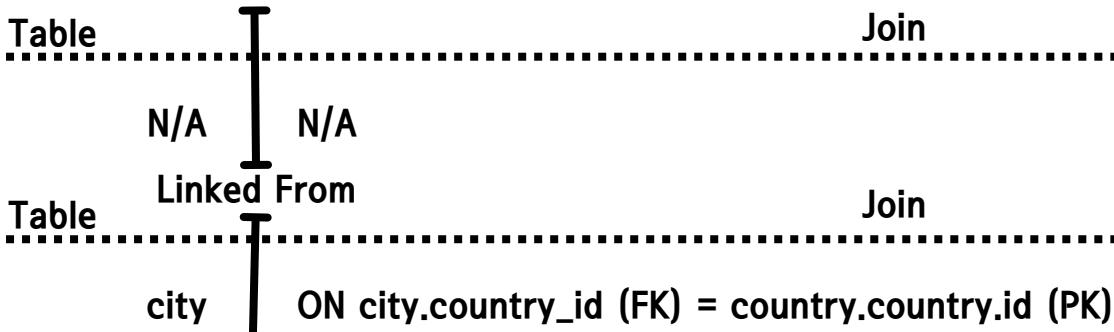
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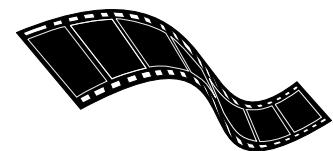



COUNTRY TABLE:

Key	Column	Data Type	Description
	country_id	Serial	Country's serial #
	country	Character Varying (50)	Name of country
	last_update	TimeStamp (6) w/o time zone	Date of last update

Linked To





CITY TABLE:

Key	Column	Data Type	Description
	city_id	Serial	City's serial number
	city	Character Varying (50)	Name of city
	country_id	Smallint	Number assigned to country
	last_update	TimeStamp (6) w/o time zone	Date of last update

Linked To

Table

country ON city.country_id (FK) = country.country_id (PK)

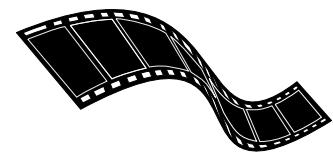
Linked From

Join

Table

address ON city.city_id (PK) = address.city_id (FK)

Join



ADDRESS TABLE:

Key	Column	Data Type	Description
PK	address_id	Serial	Address serial number
	address	Character Varying (50)	First line of address
	address2	Character Varying (50)	Second line of address
	district	Character Varying (20)	Name of district
PK	city_id	Smallint	Number assigned to city
	postal_code	Character Varying (10)	Postal zip code
	phone	Character Varying (20)	Phone number
	last_update	TimeStamp (6) w/o time zone	Date last updated

Linked To

Table

city

Join

ON city.city_id (PK) = address.city_id (FK)

Linked From

Table

customer

Join

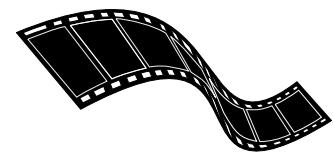
ON customer.address_id (FK) = address.address_id (PK)

staff

ON staff.address_id (FK) = address.address_id (PK)

store

ON store.address_id (FK) = address.address_id (PK)



STAFF TABLE:

Key	Column	Data Type	Description
PK	staff_id	Serial	Number assigned to staff member
	first_name	Character Varying (45)	Staff member's first name
	last_name	Character Varying (45)	Staff member's last name
PK	address_id	Smallint	Number assigned to staff member's address
	email	Character Varying (50)	Staff member's email
PK	store_id	Smallint	Number assigned to store
	active	Boolean	Current staff member? T/F
	username	Character Varying (40)	Staff member's username
	password	Character Varying (40)	Staff member's password
	last_update	TimeStamp (6) w/o time zone	Date of last update
	picture	BYTEA	Staff member picture

Linked To

Table

address

ON staff.address_id (FK) = address.address_id (PK)

Join

Linked From

Table

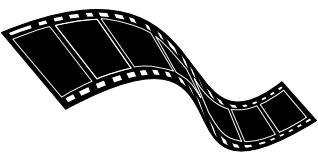
payment

ON staff.staff_id (PK) = payment.staff_id (PK)

staff

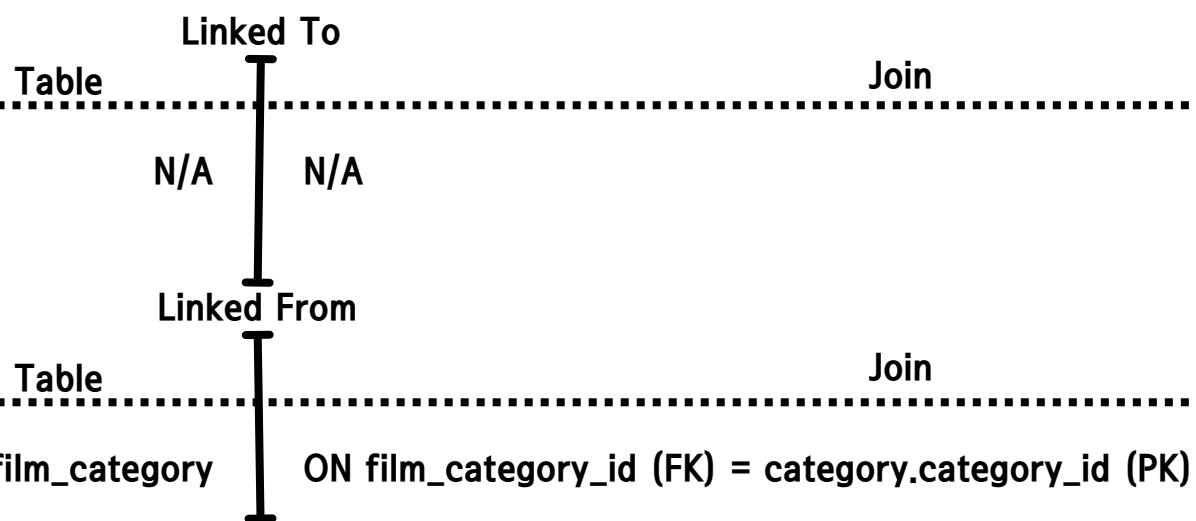
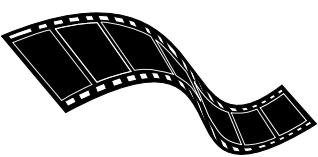
ON store.store_id (PK) = staff.store_id (FK)

Join



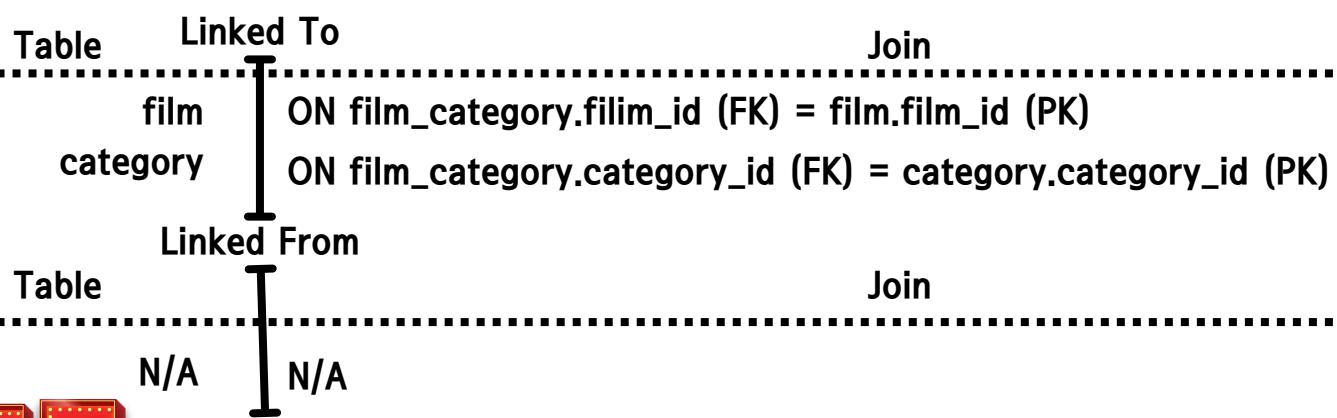
CATEGORY TABLE:

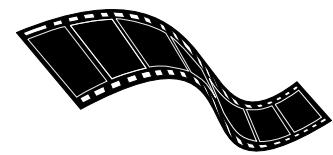
Key	Column	Data Type	Description
PK	category_id	Serial	Number assigned to movie category
	name	Character Varying (45)	Name of category
	last_update	TimeStamp (6) w/o time zone	Date of last update

FILM_CATEGORY TABLE

Key	Column	Data Type	Description
	film_id	Smallint	Number assigned to the film
PK	category_id	Smallint	Number assigned to the category
PK	last_update	TimeStamp (6) w/o time zone	Date of last update





CUSTOMER TABLE:

Key	Column	Data Type	Description
🔑	customer_id	Serial	Number assigned to customer
🔑	store_id	Smallint	Number assigned to store
	first_name	Character Varying (45)	Customer's first name
	last_name	Character Varying (45)	Customer's last name
	email	Character Varying (50)	Customer's email
🔑	address_id	Smallint	Customer's address
	activebool	Boolean	Current Customer? T?F
	create_date	Date	Date customer was created
	last_update	TimeStamp (6) w/o time zone	Date of last update
	active	Integer	Days since last rental

