

ROCKBUSTER STEALTH: DATA DICTIONARY

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Exercise 3.10

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Fact Tables:

Payment		
Column	Data Type	Description
payment_id	integer	Primary key , to identify payment
customer_id	smallint	Foreign key , to identify the customer
staff_id	smallint	Foreign key , to identify Rocabuster staff
rental_id	integer	Foreign key , to identify rental transaction
amount	numeric	Monetary amount recorded for each transaction
payment_date	Timestamp without time zone	Stores date and time of transaction

Rental		
Column	Data Type	Description
rental_id	integer	Primary key , to identify rental transaction
rental_date	Timestamp without time zone	Stores date and time of item that was rented
inventory_id	integer	Foreign key , to identify item

customer_id	smallint	Foreign key , to identify the customer
return_date	Timestamp without time zone	Stores date and time for rented item to be returned to Rockbuster
staff_id	smallint	Foreign key , to identify Rockbuster staff
last_update	Timestamp without time zone	Stores date and time of previous update for this database

Dimension Tables:

Actor		
Column	Data Type	Description
actor	integer	Primary key , to identify name of actor/actress in database
first_name	Character varying(45)	First name of actor/actress, 45 characters max
last_name	Character varying(45)	Last name of actor/actress, 45 characters max
last_update	Timestamp without time zone	Stores date and time of previous update for this database

Address		
Column	Data Type	Description
address_id	integer	Primary key , to identify address in database
address	Character varying(50)	Address in database, street number and street name
address2	Character varying(50)	Address in database, unit number or building name if applicable
district	Character varying(20)	Address in database, district, state, region name
city_id	smallint	Foreign key , to identify city in database
postal_code	Character varying(10)	Postal code, 10 characters max
phone	Character varying(20)	Phone number for address in database, 10 characters max
last_update	Timestamp without time zone	Stores date and time of previous update for this database

Category		
Column	Data Type	Description
category_id	integer	Primary key , to identify category of film
name	Character varying(25)	Name of category, max 25 characters

last_update	Timestamp without time zone	Stores date and time of previous update for this database
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City		
Column	Data Type	Description
city_id	integer	Primary key , to identify city in database
city	Character varying(50)	Name of city, 50 characters max
country_id	smallint	Foreign key , to identify country in database
last_update	Timestamp without time zone	Stores date and time of previous update for this database

Country		
Column	Data Type	Description
country_id	integer	Primary key , to identify country in database
country	Character varying(50)	Name of country, 50 characters max
last_update	Timestamp without time zone	Stores date and time of previous update for this database

Customer		
Column	Data Type	Description
customer_id	integer	Primary key , to identify customer in database
store_id	smallint	To identify unique Rockbuster location
first_name	Character varying(45)	First name of customer, 45 characters max
last_name	Character varying(45)	Last name of customer, 45 characters max
email	Character varying(50)	Email of customer, 45 characters max
address_id	smallint	Foreign key , address of customer
activebool	boolean	Customer's account status, true, false, or null
create_date	date	Date of when customer account was created
last_update	Timestamp without time zone	Stores date and time of previous update for this database

Film		
Column	Data Type	Description
flim_id	integer	Primary key , to identify the film
title	Character varying(255)	Film title, max 255 characters

description	text	Synopsis of film
release_year	integer	Year the film was released
language_id	smallint	Foreign key , to identify the language of the film with a number
rental_duration	smallint	To identify number of days the item can be rented for
rental_rate	numeric	Rate of the item
length	smallint	Length of film in minutes
replacement_cost	numeric	Monetary amount the customer owes Rockbuster if rental item is lost or damaged
rating	USER_DEFINED	Film rating
last_update	Timestamp without time zone	Stores date and time of previous update for this database
special_features	ARRAY	Additional content separate from the original film
fulltext	tsvector	Text data that can be searched

Film_actor		
Column	Data Type	Description
actor_id	smallint	Composite key, to identify actor/actress in database

film_id	smallint	Composite key, to identify film in database
last_update	Timestamp without time zone	Stores date and time of previous update for this database

Film_category		
Column	Data Type	Description
film_id	smallint	Composite key, to identify film in database
category_id	smallint	Composite key, to identify category of the film in database
last_update	Timestamp without time zone	Stores date and time of previous update for this database

Inventory		
Column	Data Type	Description
inventory_id	integer	Primary key , to identify item
film_id	smallint	Foreign key , to identify film
store_id	smallint	To identify unique Rockbuster location

last_update	Timestamp without time zone	Stores date and time of previous update for this database
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Language		
Column	Data Type	Description
language_id	integer	Primary key , to identify the language of the film with a number
name	character(20)	Name of the language of the film, max 20 characters
last_update	Timestamp without time zone	Stores date and time of previous update for this database

Staff		
Column	Data Type	Description
staff_id	integer	Primary key , to identify staff
first_name	Character varying(45)	First name of staff, 45 characters max
last_name	Character varying(45)	Last name of staff, 45 characters max
address_id	smallint	Foreign key , staff member's address

email	Character varying(50)	Email of staff
store_id	smallint	To identify unique Rockbuster location
active	boolean	Employee's statue, true, false, or null
username	Character varying(16)	Employee's login username for Rockbuster
password	Character varying(40)	Employee's login password for Rockbuster
last_update	Timestamp without time zone	Stores date and time of previous update for this database
picture	bytea	Staff picture

Store		
Column	Data Type	Description
store_id	integer	To identify unique Rockbuster location
manager_staff_id	smallint	Foreign key , to identify manager
address_id	smallint	Foreign key , address of unique Rockbuster
last_update	Timestamp without time zone	Stores date and time of previous update for this database