

Nombre de Archivo DBModulo5

Fecha de creación: 09-06-2023

Description: Tables that make up the database with the information of DVD rentals being

Table: actor	information of the actors				
Columns_name	Data_type	length	Scale	Nullable	Description
actor_id	integer			NO	Actor id code
first_name	character varying	45		NO	Actor first name
last_name	character varying	45		NO	Actor last name
last_update	timestamp without time zone			NO	Date of last update
CONSTRAINT	PRIMARY KEY (actor_id)				

Table: address	Address details				
Columns	Data_Type	length	Scale	Nullable	Description
address_id	integer			NO	Address id code
address	character varying	50		NO	First adress
address2	character varying	50		YES	Second address
district	character varying	20		NO	district where the address is
city_id	smallint			NO	City id code
postal_code	character varying	10		YES	Postal Code where the address is
phone	character varying	20		NO	Address phone
last_update	timestamp without time zone			NO	Date of last update
CONSTRAINT	PRIMARY KEY (address_id)				
	FOREIGN KEY (city_id) Referenced Table : city				

Table: category	category information				
Columns	Data_Type	length	Scale	Nullable	Description
category_id	integer			NO	Category id code
name	character varying	25		NO	Category name
last_update	timestamp without time zone			NO	Date of last update
CONSTRAINT	PRIMARY KEY (category_id)				

Table: city	city information				
Columns	Data_Type	length	Scale	Nullable	Description
city_id	integer			NO	citi id code
city	character varying	50		NO	City name
country_id	smallint			NO	Country id code
last_update	timestamp without time zone			NO	Date of last update
CONSTRAINT	PRIMARY KEY (city_id)				
	FOREIGN KEY (country_id) Referenced Table : country				

Table: country	country information				
Columns	Data_Type	length	Scale	Nullable	Description
country_id	integer			NO	Country id code
country	character varying	50		NO	Country name
last_update	timestamp without time zone			NO	Date of last update
CONSTRAINT	PRIMARY KEY (country_id)				

Table: customer	customer information				
Columns	Data_Type	length	Scale	Nullable	Description
customer_id	integer			NO	Customer id code
store_id	smallint			NO	Store id code
first_name	character varying	45		NO	customer first name
last_name	character varying	45		NO	customer last name
email	character varying	50		YES	customer email
address_id	smallint			NO	Address id code
activebool	boolean			NO	customer activebool
create_date	date			NO	customer creation date
last_update	timestamp without time zone			YES	Date of last update
active	integer			YES	customer status
CONSTRAINT	PRIMARY KEY (customer_id)				
	FOREIGN KEY (address_id) Referenced Table : address				

Table: film	film information				
Columns	Data_Type	length	Scale	Nullable	Description
film_id	integer			NO	Film id code
title	character varying	255		NO	Film title
description	text			YES	Synopsis film
release_year	year			YES	Year of release of the film
language_id	smallint			NO	language spoken id code
rental_duration	smallint			NO	Rental duration of film
rental_rate	numeric	4	2	NO	Rental rate of film
length	smallint			YES	Length of film
replacement_cost	numeric	5		NO	replacement_cost of film
rating	USER-DEFINED			YES	rainting film
last_update	timestamp without time zone			NO	Date of last update
special_features	ARRAY			YES	special features of film
fulltext	tsvector			NO	fulltext of film
CONSTRAINT	PRIMARY KEY (film_id)				
	FOREIGN KEY (language_id) Referenced Table : language				

Table: film_actor	connects the actors with the films				
Columns	Data_Type	length	Scale	Nullable	Description
actor_id	smallint			NO	Actor id code
film_id	smallint			NO	Film id code
last_update	timestamp without time zone			NO	Date of last update
CONSTRAINT	film_actor PRIMARY KEY (actor_id, film_id)				
	FOREIGN KEY (language_id) Referenced Table : language				

Table: film_category	category to which the film belongs					
Columns	Data_Type	length	Scale	Nullable	Description	
film_id	integer			NO	Film id code	
category_id	smallint			NO	Category id code	
last_update	timestamp without time zone			NO	Date of last update	
CONSTRAINT	film_category PRIMARY KEY (film_id, category_id)					
	FOREIGN KEY (film_id) Referenced Table : film					
	FOREIGN KEY (category_id) Referenced Table : category					

Table: inventory	inventory information					
Columns	Data_Type	length	Scale	Nullable	Description	
inventory_id	integer			NO	Primary key of a table	
film_id	smallint			NO		
store_id	smallint			NO		
last_update	timestamp without time zone			NO	Date of last update	
CONSTRAINT	PRIMARY KEY (inventory_id)					

Table: language	language spoken in the film					
Columns	Data_Type	length	Scale	Nullable	Description	
language_id	integer			NO	language id code	
name	character	20		NO	language name	
last_update	timestamp without time zone			NO	Date of last update	
CONSTRAINT	PRIMARY KEY (language_id)					

Table: payment	payment details					
Columns	Data_Type	length	Scale	Nullable	Description	
payment_id	integer			NO	Payment id cod	
customer_id	smallint			NO	Customer id cod	
staff_id	smallint			NO	Staff id cod	
rental_id	integer			NO	Rental id cod	
amount	numeric	5		NO	Payment amount	
payment_date	timestamp without time zone			NO	Date of last update	
CONSTRAINT	PRIMARY KEY (payment_id)					
	FOREIGN KEY (customer_id) Referenced Table : customer					
	FOREIGN KEY (staff_id) Referenced Table : staff					
	FOREIGN KEY (rental_id) Referenced Table : rental					

Table: rental	rental details				
Columns	Data_Type	length		Nullable	Description
rental_id	integer			NO	Rental id code
rental_date	timestamp without time zone			NO	Rental date
inventory_id	integer			NO	Inventory id code
customer_id	smallint			NO	Customer id code
return_date	timestamp without time zone			YES	Rental return date
staff_id	smallint			NO	Staff id code
last_update	timestamp without time zone			NO	Date of last update
CONSTRAINT	PRIMARY KEY (rental_id)				
	FOREIGN KEY (inventory_id)	Referenced Table : inventory			
	FOREIGN KEY (customer_id)	Referenced Table : customer			
	FOREIGN KEY (staff_id)	Referenced Table : staff			

Table: staff	staff information				
Columns	Data_Type	length		Nullable	Description
staff_id	integer			NO	Staff id code
first_name	character varying	45		NO	Staff first name
last_name	character varying	45		NO	Staff last name
address_id	smallint			NO	address id code of staff
email	character varying	50		YES	staff email
store_id	smallint			NO	store code assigned to staff
active	boolean			NO	staff status
username	character varying	16		NO	staff user name
password	character varying	40		YES	staff password
last_update	timestamp without time zone			NO	Date of last update
picture	bytea			YES	staff picture
CONSTRAINT	PRIMARY KEY (staff_id)				
	FOREIGN KEY (address_id)	Referenced Table : address			
	FOREIGN KEY (store_id)	Referenced Table : store			

Table: store	store information				
Columns	Data_Type	length		Nullable	Description
store_id	integer			NO	Store Id code
manager_staff_id	smallint			NO	Manager Staff id code
address_id	smallint			NO	store address id code
last_update	timestamp without time zone			NO	Date of last update
CONSTRAINT	PRIMARY KEY (store_id)				
	FOREIGN KEY (address_id)	Referenced Table : address			