CREATE DATABASE NotinoDb

USE master

CREATE TABLE Address (

address\_id INT NOT NULL,

country NVARCHAR(20) NOT NULL,

city NVARCHAR(20) NOT NULL,

street NVARCHAR(20) NOT NULL,

postal\_code INT NOT NULL,

);

CREATE TABLE Users (

user\_id INT NOT NULL,

first\_name NVARCHAR(22) NOT NULL,

last\_name NVARCHAR(22) NOT NULL,

username NVARCHAR(22) NOT NULL,

password NVARCHAR(50) NOT NULL,

phone NVARCHAR(10) NOT NULL,

email NVARCHAR(40) NOT NULL,

address\_id INT NOT NULL,

);

CREATE TABLE Categories (

category\_id INT NOT NULL,

category\_name NVARCHAR(60) NOT NULL,

details NVARCHAR(60) NOT NULL,

);

CREATE TABLE Products (

ProductID int NOT NULL UNIQUE,

Name varchar(20) NOT NULL,

Quantity int NOT NULL,

Price numeric(8,4) NOT NULL

);

CREATE TABLE ShoppingCart (

CartID varchar(20) NOT NULL UNIQUE,

ProductID int NOT NULL,

Address varchar(30) NOT NULL,

Quantity int NOT NULL,

CreationDate datetime NOT NULL

);

CREATE TABLE Orders (

order\_id INT NOT NULL,

discount smallmoney,

total\_price smallmoney,

tracking\_number NVARCHAR(30) NOT NULL,

status NVARCHAR(30) NOT NULL,

order\_date DATETIME DEFAULT GETUTCDATE(),

arrival\_date DATETIME NOT NULL,

address\_id INT NOT NULL,

cart\_id INT NOT NULL,

payment\_method\_id INT NOT NULL,

);

CREATE TABLE Order\_info (

OrderID varchar(20) NOT NULL UNIQUE,

Price smallmoney,

DateofShipp datetime NOT NULL,

);

INSERT INTO Address(address\_id, country, city, street , postal\_code) VALUES

(48, 'Poland', 'Rogowo', 'Esker Parkway', 88-420),

(75, 'Brazil', 'Varginha', 'Caliangt Circle', 37000-000),

(43, 'Japan', 'Asaka', 'Mcguire Terrace', 963-0107),

(15, 'Brazil', 'Ibaiti' ,'Utah Crossing', 84900-000),

(25, 'Malaysia', 'Alor Star', 'Hayes Alley', 06250),

(24, 'Czech', 'Republic Dobroměřice', 'Hauk Hill', 44001),

(50, 'Brazil', 'Conceição do Coité', 'Valley Edge Drive', 48730-000),

(20, 'Russia', 'Frolovo', '1st Parkway', 403538),

(4, 'Czech Republic', 'Zastávka', 'Northridge Avenue', 664-84),

(63, 'Russia', 'Valerianovsk', 'Meadow Ridge Park', 624365);

INSERT INTO Users (user\_id,username,password,first\_name,last\_name,phone,email,address\_id) VALUES

(1,'EdiG', 'daniel29','Edi','Georgiev','0887108855','edigeorgievg@gmail.com',40),

(2,'MartinA', 'martin1197','Martin','Asenov','0887107630','martiasenov@gmail.com',39),

(3,'Zlatomilla', 'zlatomila21','Zlatomil','Mincheva','0889341679','zminchevvaa@gmail.com',38),

(4,'Milvena', 'milvenam','Milvena','Maneva','0877676994','maneva@gmail.com',37),

(5,'Georgi', 'georgi11','Georgi','Radev','0888676567','gradev@gmail.com',36),

(74,'hgandy0','QM6SScxq6Oc','Hermia','Gandy',18-186-5130,'hgandy0@google.com.au',1),

(47,'mdye1','ioVpjss1A','Markus','Dye',146-549-1031,'mdye1@studiopress.com',2),

(8,'akretchmer2','wavyNwNY','Any','Kretchmer',618-346-8041,'akretchmer2@guardian.co.uk',3),

(61,'ccuningham3','y1B2qTi','Conroy','Cuningham',623-253-2582,'ccuningham3@xrea.com',4),

(55,'shewell4','kcFA0wS3CZY','Sinclair','Hewell',249-165-0940,'shewell4@clickbank.net',5),

(74,'tszanto5','RbGe2C','Tim','Szanto',116-445-4962,'tszanto5@adobe.com',6),

(99,'glethibridge6','1WLrXexlus7n','Gordon','Lethibridge',336-333-1586,'glethibridge6@eepurl.com',7),

(67,'fmccawley7','nSIkC669gVFb','Fernando','McCawley',978-399-9932,'fmccawley7@google.de',8),

(23,'nbazire8','5N0d1zY','Noby','Bazire',185-318-1155,'nbazire8@amazon.com',9),

(27,'pwhitten9','DvdmibhaNwgm','Pryce','Whitten',227-855-4422,'pwhitten9@arizona.edu',10);

INSERT INTO Categories (category\_id,category\_name,details) VALUES

(1, 'Perfumes', 'Women, Unisex'),

(2,'Perfumes', 'Men'),

(3,'Perfumes','Unisex'),

(4,'Makeup', 'face'),

(5,'Makeup','eyes'),

(6,'Makeup','lips'),

(7,'Makeup','nails'),

(8, 'Hair', 'care'),

(9, 'Hair','styling'),

(10,'Hair','hair dye'),

(11, 'Face', 'face care'),

(12, 'Face', 'sun'),

(13,'Face','toning'),

(14,'Makeup','eyebrows'),

(15,'Makeup','fake eyelashes');

INSERT INTO Products (ProductID,Name,Quantity,Price) VALUES

(1, 'lipstick' , 10, 230.00),

(2, 'highlighter' , 8 , 62.33),

(3, 'perfume', 2 , 312.00),

(4, 'face cream', 14 , 150.66),

(5, 'shampoo',3 , 95.00),

(6,'foundation',4,327.00),

(7,'bronzer',10,260.30),

(8,'fake eyelashes',5,107.25),

(9,'toothpaste',7,89.60),

(10,'hairspray',5,60.50);

INSERT INTO ShoppingCart (CartID,ProductID,Address,Quantity,CreationDate) VALUES

(1,48,'Anhalt Plaza',86,4/5/2022),

(2,32,'Petterle Terrace',21,9/12/2022),

(3,22,'Hanover Lane',98,12/13/2021),

(4,57,'Bultman Junction',55,10/25/2022),

(5,80,'Merchant Plaza',19,3/25/2022),

(6,86,'Glacier Hill Alley',45,9/1/2022),

(7,18,'Forest Run Avenue',92,4/30/2022),

(8,24,'Independence Crossing',68,10/10/2022),

(9,5,'Thierer Plaza',79,1/30/2022),

(10,78,'Springview Circle',92,8/8/2022);

INSERT INTO Order\_info (OrderID,Price,DateofShipp) VALUES

(1,4,6/25/2022),

(2,5,9/12/2022),

(3,6,7/28/2022),

(4,1,1/16/2022),

(5,2,7/30/2022),

(6,3,4/7/2022),

(7,10,8/12/2022),

(8,9,8/13/2022),

(9,7,9/13/2022),

(10,8,1/7/2022);

CREATE PROCEDURE GetProducts

AS BEGIN

SELECT Name, Price

FROM Products

ORDER BY Price;

END;

ALTER PROCEDURE GetProduct(@min\_price AS DECIMAL,@max\_price AS DECIMAL)

AS BEGIN

SELECT Name, Price

FROM Products

WHERE Price >= @min\_price AND Price <= @max\_price

ORDER BY Price;

END;

EXEC GetProducts 1,10;

/\*

--Functions

CREATE FUNCTION showAlbumDetails(

albID INT

) RETURNS varchar(255)

DETERMINISTIC

BEGIN

DECLARE sc INT;

DECLARE ad, albN, artN VARCHAR(255);

set sc=0;

set ad=' ';

set albN=' ';

set artN=' ';

SELECT AlbumName INTO albN

FROM Album

WHERE AlbumID = albID;

SELECT SongCount INTO sc

FROM Album

WHERE AlbumID = albID;

SELECT Duration INTO ad

FROM Album

WHERE AlbumID = albID;

SELECT artist.ArtistName INTO artN

FROM artist

LEFT JOIN album ON (artist.ArtistID = album.AlbumID)

WHERE album.AlbumID = albID;

RETURN CONCAT(albN, ' by/by the ', artN, ' has ', CONVERT(sc, char(10)), ' songs and is ',CONCAT(FLOOR(ad),':', SUBSTRING(ad,4,2)), ' minutes long.' );

END;

SELECT showAlbumDetails(2);

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--Triggers

CREATE TRIGGER trinsertSong

BEFORE INSERT on song

FOR EACH ROW BEGIN

SET NEW.Duration = CONCAT(FLOOR(NEW.Duration),':', SUBSTRING(NEW.Duration,3,2));

END;

INSERT INTO Song(ArtistID,AlbumID,SongName, Duration, Plays)

VALUES (1,1,'Hells Bells(Instrumental - Backing Track)', 04.59 , 21344123);

DELETE FROM song where SongID=46;

ALTER TABLE song MODIFY Duration varchar(30);

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