CREATE DATABASE NOTINODB

USE master

CREATE TABLE Addresses (

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,

CONSTRAINT pk\_address PRIMARY KEY (address\_id),

);

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,

CONSTRAINT pk\_user\_id PRIMARY KEY (user\_id),

CONSTRAINT fk\_address\_id FOREIGN KEY (address\_id) REFERENCES Addresses (address\_id)

);

CREATE TABLE Categories (

category\_id INT NOT NULL,

category\_name NVARCHAR(60) NOT NULL,

details NVARCHAR(60) NOT NULL,

CONSTRAINT pk\_category PRIMARY KEY (category\_id)

);

CREATE TABLE Products (

ProductID int NOT NULL UNIQUE,

Name varchar(20) NOT NULL,

Quantity int NOT NULL,

Price numeric(8,4) NOT NULL

CONSTRAINT PK\_Product PRIMARY KEY (ProductID)

);

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

CONSTRAINT PK\_ShoppingCart PRIMARY KEY (CartID),

CONSTRAINT FK\_ShoppingCartProduct FOREIGN KEY (ProductID) REFERENCES Products (ProductID)

);

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,

CONSTRAINT pk\_order PRIMARY KEY (order\_id),

CONSTRAINT fk\_order\_address FOREIGN KEY (address\_id) REFERENCES Addresses (address\_id)

);

CREATE TABLE Order\_info (

OrderID varchar(20) NOT NULL UNIQUE,

Price smallmoney,

DateofShipp datetime NOT NULL,

CONSTRAINT PK\_Order\_info PRIMARY KEY (OrderID)

);

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

(1,'Bulgaria','Plovdiv','Dunav20','1508'),

(2,'Bulgaria','Sofia','Anastasiya Dimitrova' ,'1011'),

(3,'Bulgaria','Smolqn','Vasil Aprilov1', '6523'),

(4,'Bulgaria','Zlatograd','IvanVazov22' ,'4440'),

(5,'Bulgaria','Kurdzhali','България236', '7879');

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',3),

(2,'MartinA', 'martin1197','Martin','Asenov','0887107630','martiasenov@gmail.com',4),

(3,'Zlatomilla', 'zlatomila21','Zlatomil','Mincheva','0889341679','zminchevvaa@gmail.com',1),

(4,'Milvena', 'milvenam','Milvena','Maneva','0877676994','maneva@gmail.com',2),

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

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

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

(2, 'Makeup', 'face, eyes, lips, nails'),

(3, 'Hair', 'care, styling, hair dye'),

(4, 'Face', 'face care, sun, toning');

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);

iNSERT INTO ShoppingCart (CartID,ProductID,Address,Quantity) VALUES

(44, 4, 'Zdrave', 14),

(31, 1, 'Maybelline', 10),

(78, 2, 'Revolution', 8),

(23, 5, 'Kérastase',3),

(65, 3, 'Sauvage', 2);

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

( 789, 459 , 12.02),

( 440, 698 , 22.11),

( 666, 145 , 23.08),

( 808, 349 , 01.05),

( 789, 231 , 18.04);

/\*

/\*Functions\*/

SELECT

MAX(Price)

AS

MAXPrice

FROM

Products ;

SELECT

AVG(Name)

AS

AverageName

FROM

Products;

SELECT

category\_id,

category\_name

FROM

Categories

ORDER BY

category\_name DESC

/\*Procedure\*/

Use [NOTINODB]

GO

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Products](

[Products\_id] [int] NOT NULL,

[type] [nvarchar](22) NOT NULL,

CONSTRAINT [PK\_Product\_method] PRIMARY KEY CLUSTERED

(

[Products\_id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

USE [NOTINODB]

GO

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[ShoppingCart](

[cart\_id] [int] NOT NULL,

[price] [decimal](5, 2) NULL,

[quantity] [int] NULL,

[creation\_date] [datetime] NULL,

[user\_id] [int] NOT NULL,

CONSTRAINT [pk\_ShoppingCart] PRIMARY KEY CLUSTERED

(

[cart\_id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[ShoppingCart] ADD DEFAULT (getutcdate()) FOR [creation\_date]

GO

ALTER TABLE [dbo].[ShoppingCart] WITH CHECK ADD CONSTRAINT [fk\_user] FOREIGN KEY([user\_id])

REFERENCES [dbo].[users] ([user\_id])

GO

ALTER TABLE [dbo].[ShoppingCart] CHECK CONSTRAINT [fk\_user]

GO

USE [NOTINODB]

GO

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Orders](

[order\_id] [int] NOT NULL,

[discount] [smallmoney] NULL,

[price] [smallmoney] NULL,

[tracking\_number] [nvarchar](30) NOT NULL,

[status] [nvarchar](30) NOT NULL,

[order\_date] [datetime] NULL,

[arrival\_date] [datetime] NOT NULL,

[address\_id] [int] NOT NULL,

[cart\_id] [int] NOT NULL,

[payment\_method\_id] [int] NOT NULL,

CONSTRAINT [pk\_order] PRIMARY KEY CLUSTERED

(

[order\_id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[orders] ADD DEFAULT (getutcdate()) FOR [order\_date]

GO

ALTER TABLE [dbo].[orders] WITH CHECK ADD CONSTRAINT [fk\_order\_address] FOREIGN KEY([address\_id])

REFERENCES [dbo].[address] ([address\_id])

GO

ALTER TABLE [dbo].[orders] CHECK CONSTRAINT [fk\_order\_address]

GO

ALTER TABLE [dbo].[orders] WITH CHECK ADD CONSTRAINT [fk\_order\_cart] FOREIGN KEY([cart\_id])

REFERENCES [dbo].[shopping\_cart] ([cart\_id])

GO

ALTER TABLE [dbo].[orders] CHECK CONSTRAINT [fk\_order\_cart]

GO

ALTER TABLE [dbo].[orders] WITH CHECK ADD CONSTRAINT [fk\_reseipt\_payment\_method] FOREIGN KEY([payment\_method\_id])

REFERENCES [dbo].[payment\_method] ([payment\_method\_id])

GO

ALTER TABLE [dbo].[orders] CHECK CONSTRAINT [fk\_reseipt\_payment\_method]

GO

USE [NOTINODB]

GO

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Users](

[user\_id] [int] NOT NULL,

[first\_name] [nvarchar](25) NOT NULL,

[last\_name] [nvarchar](25) NOT NULL,

[username] [nvarchar](30) NOT NULL,

[password] [nvarchar](50) NOT NULL,

[phone] [nvarchar](10) NOT NULL,

[email] [nvarchar](30) NOT NULL,

[address\_id] [int] NOT NULL,

CONSTRAINT [pk\_user\_id] PRIMARY KEY CLUSTERED

(

[user\_id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[users] WITH CHECK ADD CONSTRAINT [fk\_address\_id] FOREIGN KEY([address\_id])

REFERENCES [dbo].[address] ([address\_id])

GO

ALTER TABLE [dbo].[users] CHECK CONSTRAINT [fk\_address\_id]

GO

USE [NOTINODB]

GO

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Categories](

[category\_id] [int] NOT NULL,

[category\_name] [nvarchar](60) NOT NULL,

CONSTRAINT [pk\_category] PRIMARY KEY CLUSTERED

(

[category\_id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

USE [NOTINODB]

GO

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Address](

[address\_id] [int] NOT NULL,

[country] [nvarchar](20) NOT NULL,

[city] [nvarchar](20) NOT NULL,

[street] [nvarchar](20) NOT NULL,

[building] [int] NOT NULL,

[postal\_code] [int] NOT NULL,

CONSTRAINT [pk\_address] PRIMARY KEY CLUSTERED

(

[address\_id] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO\*/