Exer3 Part I

CREATE DOMAIN HotelNumber AS INT UNSIGNED;

CREATE DOMAIN HotelName AS VARCHAR(32);

CREATE DOMAIN City AS VARCHAR(64);

CREATE DOMAIN RoomNumber AS INT

CHECK (VALUE BETWEEN 1 AND 100);

CREATE DOMAIN Type AS CHAR(6)

CHECK (VALUE IN (‘Single’, ‘Double’, ‘Family’));

CREATE DOMAIN Price AS INT UNSIGNED;

CREATE DOMAIN GuestNumber AS INT UNSIGNED;

CREATE DOMAIN DateFrom AS DATE;

CREATE DOMAIN DateTo AS DATE;

CREATE TABLE Hotel(

hotelNo HotelNumber NOT NULL,

hotelName HotelName NOT NULL,

city City NOT NULL,

PRIMARY KEY (hotelNo)

);

CREATE TABLE Room(

roomNo RoomNumber NOT NULL,

hotelNo HotelNumber NOT NULL,

type Type NOT NULL,

price Price NOT NULL,

PRIMARY KEY (roomNo, hotelNo),

FOREIGN KEY (hotelNo)

);

CREATE TABLE Booking(

hotelNo HotelNumber NOT NULL,

guestNo GuestNumber NOT NULL,

dateFrom DateFrom NOT NULL,

dateTo DateTo NOT NULL,

roomNo RoomNumber NOT NULL,

PRIMARY KEY (hotelNo, guestNo, dateFrom),

FOREIGN KEY (hotelNo)

);