PRG521 Summitive

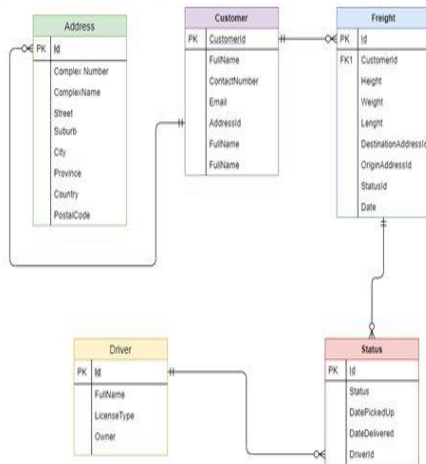* LAIKIN BARNARD 6955 *

Contents

Question 2:

Question 2   10 pts

Use the below diagram to create a database using SQL Server database. Name the database as DBCtuLogistics. Utilise a method of your choice to ensure that the DBCtuLogistics database is ready for connection.

Address
PK	Id
	Complex Number
	ComplexName
	Street
	Suburb
	City
	Province
	Country
	PostalCode

Customer
PK	CustomerId
	FullName
	ContactNumber
	Email
	AddressId
	FullName
	FullName

Freight
PK	Id
FK1	CustomerId
	Height
	Weight
	Lenght
	DestinationAddressId
	OriginAddressId
	StatusId
	Date

Driver
PK	Id
	FullName
	LicenseType
	Owner

Status
PK	Id
	Status
	DatePickedUp
	DateDelivered
	DriverId

Marks allocation 2 Marks per Table (2x5=10)

Screen shots:

```
DB_Tbl_Create_695...AAM5H7\lkb01 (53))  ⇥ ✕
    ⊟CREATE TABLE frmAddress (
          ID int NOT NULL PRIMARY KEY,
          ComplexNumber int,
          ComplexName varchar(255),
          Street varchar(255),
          Suburb varchar(255),
          City varchar(255),
          Provice varchar(255),
          Country varchar(255),
          PostalCode int
     );
    ⊟CREATE TABLE frmCustomer (
          CustomerID int NOT NULL PRIMARY KEY,
          Fullname varchar(255),
          ContactNumber text,
          Email varchar(255),
          AdressId varchar(255)
     );
    ⊟CREATE TABLE frmFreight (
          ID int NOT NULL PRIMARY KEY,
          CustomerID int,
          Height float,
          Weight float,
          Lenght float,
          DestanationAdressID varchar(255),
          OrginAdressID varchar(255),
          StatusID varchar(255),
          FreightDate date
     );
    ⊟CREATE TABLE frmStatus (
          ID int NOT NULL PRIMARY KEY,
          DatePickedUp date,
          DateDeliverd date,
          DriverID int
     );
    ⊟CREATE TABLE frmDriver (
          DriverID int NOT NULL PRIMARY KEY,
          LicenseType varchar(255),
          Owner text
     );
```

SQLQuery1.sql - D...AAM5H7\lkb01 (54))*

```sql
/****** Script for SelectTopNRows command from SSMS ******/

/**6955 - Address**/
SELECT TOP (1000) [ID]
      ,[ComplexNumber]
      ,[ComplexName]
      ,[Street]
      ,[Suburb]
      ,[City]
      ,[Provice]
      ,[Country]
      ,[PostalCode]
  FROM [DBCtuLogistics].[dbo].[frmAddress]
```

Results | Messages

	ID	ComplexNumber	ComplexName	Street	Suburb	City	Provice	Country	PostalCode
1	1	15	Jackel creeck	Boundry	North riding	Johannesburg	gauteng	South africa	1851
2	2	27	Wimpy	Mars	Westonaria	Johannesburg	gauteng	South Africa	1779
3	3	156	Roose	Woody	Gang	Ready	North west	South Africa	1554
4	4	4	Sunwood	Princesses Ave	Windsor	JHB	GP	SA	2001

SQLQuery2.sql - D...AAM5H7\lkb01 (53))*

```sql
/****** Script for SelectTopNRows command from SSMS ******/

/**6955 - Customer **/
SELECT TOP (1000) [CustomerID]
      ,[Fullname]
      ,[ContactNumber]
      ,[Email]
      ,[AdressId]
  FROM [DBCtuLogistics].[dbo].[frmCustomer]
```

Results | Messages

	CustomerID	Fullname	ContactNumber	Email	AdressId
1	3	Laikin Barnard	0793176158	lkb01za@gmail.com	
2	4	Brent Mcgill	0814089392	BrentMcgill27@gmail.com	

SQLQuery4.sql - D...AAM5H7\lkb01 (56))*

```sql
/****** Script for SelectTopNRows command from SSMS ******/

/**6955 - Freight **/
SELECT TOP (1000) [ID]
      ,[CustomerID]
      ,[Height]
      ,[Weight]
      ,[Lenght]
      ,[DestanationAdressID]
      ,[OrginAdressID]
      ,[StatusID]
      ,[FreightDate]
  FROM [DBCtuLogistics].[dbo].[frmFreight]
```

Results | Messages

	ID	CustomerID	Height	Weight	Lenght	DestanationAdressID	OrginAdressID	StatusID	FreightDate
1	1	2	200	500	250	Westonaria	JHB	1	2021-05-09

```
/****** Script for SelectTopNRows command from SSMS ******/

/**6955 - Driver **/
SELECT TOP (1000) [DriverID]
      ,[FullName]
      ,[LicenseType]
      ,[Owner]
  FROM [DBCtuLogistics].[dbo].[frmDriver]
```

100 %

Results | Messages

	DriverID	FullName	LicenseType	Owner
1	1	Danie Barnard	C Buses and goods vehicles	No
2	3	Taylor Rule	B Vehicles	Yes

```
/****** Script for SelectTopNRows command from SSMS

/** 6955 - Status Tbl**/

SELECT TOP (1000) [ID]
      ,[DatePickedUp]
      ,[DateDeliverd]
      ,[DriverID]
  FROM [DBCtuLogistics].[dbo].[frmStatus]
```

100 %

Results | Messages

	ID	DatePickedUp	DateDeliverd	DriverID
1	1	2020-05-25	2020-05-28	1
2	2	2021-02-21	2021-03-08	2

Code:

```sql
CREATE TABLE frmAddress (
    ID int NOT NULL PRIMARY KEY,
    ComplexNumber int,
    ComplexName varchar(255),
    Street varchar(255),
    Suburb varchar(255),
        City varchar(255),
        Provice varchar(255),
        Country varchar(255),
        PostalCode int
);
CREATE TABLE frmCustomer (
    CustomerID int NOT NULL PRIMARY KEY,
    Fullname varchar(255),
    ContactNumber text,
    Email varchar(255),
    AdressId varchar(255)
);
CREATE TABLE frmFreight (
    ID int NOT NULL PRIMARY KEY,
    CustomerID int,
    Height float,
    Weight float,
        Lenght float,
        DestanationAdressID varchar(255),
        OrginAdressID varchar(255),
        StatusID varchar(255),
        FreightDate date
);
CREATE TABLE frmStatus (
    ID int NOT NULL PRIMARY KEY,
    DatePickedUp date,
    DateDeliverd date,
    DriverID int
);
CREATE TABLE frmDriver (
    DriverID int NOT NULL PRIMARY KEY,
    LicenseType varchar(255),
    Owner text
);
```