SQL Programming Workshop 2

Using Dafesty Database provided (as ms-access file), convert it to your local SQL Server database and try the following questions.

1. Create a Table called MemberCategories with the following fields

MemberCategory	nvarchar(2)
MemberCatDescription	nvarchar(200)

   None of the fields above can be null. Set the MemberCategory as the Primary key.

2. Add the following data into the MemberCategories Table:

MemberCategory	MemberCatDescription
A	Class A Members
B	Class B Members
C	Class C Members

3. Create a Table called GoodCustomers with the following fields:

CustomerName	nvarchar(50)
Address	nvarchar(65)
PhoneNumber	nvarchar(9)
MemberCategory	nvarchar(2)

   Only Customer Name and Phone Number is mandatory.
   Since there could be two customers having the same name, make CustomerName and Phone Number as a composite primary key.

   The MemberCategory should have a referential integrity to the MemberCategories Table so that only those categories that have been listed in MemberCategories Table could be entered.

4. Insert into GoodCustomers the following new customer.

   CustomerName = Tracy Tan
   PhoneNumber = 736572
   MemberCategory = 'B'

5. Insert into GoodCustomers table the following information for a new customer
   Since all the columns are provided you may insert the record without specifying the column names.

   CustomerName = Grace Leong
   Address = 15 Bukit Purmei Road, Singapore 0904'
   PhoneNumber = 278865
   MemberCategory = 'A'

6. Insert into GoodCustomers table the following information for a new customer
    Since all the columns are provided you may insert the record without specifying the column names.

    > CustomerName = Lynn Lim
    > Address = 15 Bukit Purmei Road, Singapore 0904'
    > PhoneNumber = 278865
    > MemberCategory = 'P'

    Does the command go through – It should not since member category 'P' is not defined in MemberCategories Table. (Violation of referential integrity)

7. Change the Address of Grace Leong so that the new address is '22 Bukit Purmei Road, Singapore 0904' in GoodCustomers table.

8. Remove Grace Leong from GoodCustomers table.

9. Create an index on table GoodCustomers based on FaxNumber.

10. Delete all records from GoodCustomers.

11. Drop the table GoodCustomers.