**DDL Query #1- Create TBL\_COMMON\_MTRL**

CREATE TABLE [dbo].[TBL\_COMMON\_MTRL](

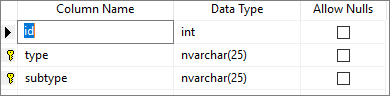
[id] [int] IDENTITY(1,1) NOT NULL,

[type] [nvarchar](25) NOT NULL,

[subtype] [nvarchar](25) NOT NULL,

CONSTRAINT [PK\_TBL\_COMMON\_MTRL] PRIMARY KEY CLUSTERED

([type] ASC,[subtype] ASC)

) 

**DDL Query #2- Create TBL\_DEPENDENT**

CREATE TABLE [dbo].[TBL\_DEPENDENT](

[id] [int] IDENTITY(1,1) NOT NULL,

[emp\_id] [smallint] NOT NULL,

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

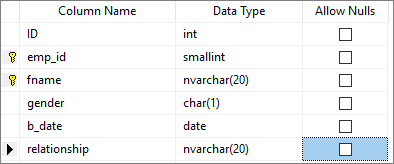
[gender] [char](1) NOT NULL,

[b\_date] [date] NOT NULL,

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

CONSTRAINT [PK\_TBL\_DEPENDENT] PRIMARY KEY CLUSTERED

([emp\_id] ASC,[fname] ASC))



**DDL Query #3- Create TBL\_EMP\_INSURANCE**

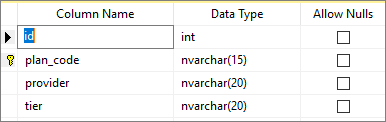
CREATE TABLE [dbo].[TBL\_EMP\_INSURANCE](

[id] [int] IDENTITY(1,1) NOT NULL,

[plan\_code] [nvarchar](15) NOT NULL,

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

[tier] [nvarchar](20) NOT NULL



**DDL Query #4- Create TBL\_EMPLOYEE**

CREATE TABLE [dbo].[TBL\_EMPLOYEE](

[id] [int] IDENTITY(1,1) NOT NULL,

[emp\_id] [smallint] NOT NULL,

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

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

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

[address] [nvarchar](25) NOT NULL,

[state] [char](2) NOT NULL,

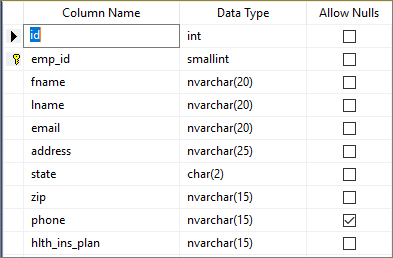
[zip] [nvarchar](15) NOT NULL,

[phone] [nvarchar](15) NULL,

[hlth\_ins\_plan] [nvarchar](15) NOT NULL,

CONSTRAINT [PK\_TBL\_EMPLOYEE] PRIMARY KEY CLUSTERED

([emp\_id] ASC))



**DDL Query #5- Create TBL\_EXPENSE**

CREATE TABLE [dbo].[TBL\_EXPENSE](

[id] [int] IDENTITY(1,1) NOT NULL,

[type] [nvarchar](25) NOT NULL,

[subtype] [nvarchar](25) NOT NULL,

[dscptn] [nvarchar](25) NOT NULL,

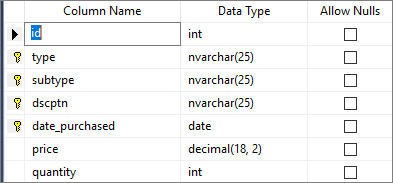
[date\_purchased] [date] NOT NULL,

[price] [decimal](18, 2) NOT NULL,

[quantity] [int] NOT NULL,

CONSTRAINT [PK\_TBL\_EXPENSE\_1] PRIMARY KEY CLUSTERED

([type] ASC,[subtype] ASC,[dscptn] ASC,[date\_purchased] ASC))



**DDL Query #6- Create TBL\_INVOICE**

CREATE TABLE [dbo].[TBL\_INVOICE](

[id] [int] IDENTITY(1,1) NOT NULL,

[prdct\_code] [nvarchar](50) NOT NULL,

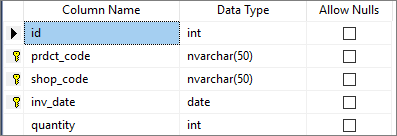
[shop\_code] [nvarchar](50) NOT NULL,

[inv\_date] [date] NOT NULL,

[quantity] [int] NOT NULL,

CONSTRAINT [PK\_TBL\_SALES] PRIMARY KEY CLUSTERED

([prdct\_code] ASC,[shop\_code] ASC,[inv\_date] ASC))



**DDL Query #7- Create TBL\_PRDCT\_TYPE**

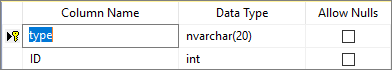
CREATE TABLE [dbo].[TBL\_PRDCT\_TYPE](

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

[ID] [int] IDENTITY(1,1) NOT NULL,

CONSTRAINT [PK\_TBL\_PRDCT\_TYPE] PRIMARY KEY CLUSTERED

([type] ASC))



**DDL Query #8- Create TBL\_PRICE**

CREATE TABLE [dbo].[TBL\_PRICE](

[id] [int] IDENTITY(1,1) NOT NULL,

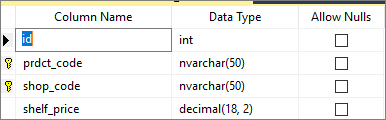
[prdct\_code] [nvarchar](50) NOT NULL,

[shop\_code] [nvarchar](50) NOT NULL,

[shelf\_price] [decimal](18, 2) NOT NULL,

CONSTRAINT [PK\_TBL\_PRICE] PRIMARY KEY CLUSTERED

([prdct\_code] ASC,[shop\_code] ASC))



**DDL Query #9- Create TBL\_PRODUCT**

CREATE TABLE [dbo].[TBL\_PRODUCT](

[id] [int] IDENTITY(1,1) NOT NULL,

[prdct\_code] [nvarchar](30) NOT NULL,

[prdct\_type] [nvarchar](30) NOT NULL,

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

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

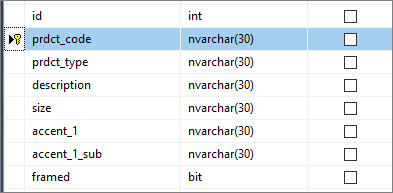
[accent\_1] [nvarchar](30) NOT NULL,

[accent\_1\_sub] [nvarchar](30) NOT NULL,

[framed] [bit] NOT NULL,

CONSTRAINT [PK\_TBL\_PRODUCT] PRIMARY KEY CLUSTERED

([prdct\_code] ASC))



**DDL Query #10- Create TBL\_SHOP**

CREATE TABLE [dbo].[TBL\_SHOP](

[id] [int] IDENTITY(1,1) NOT NULL,

[shop\_name] [nvarchar](50) NOT NULL,

[shop\_code] [nvarchar](50) NOT NULL,

[address] [nvarchar](25) NOT NULL,

[city] [nvarchar](15) NOT NULL,

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

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

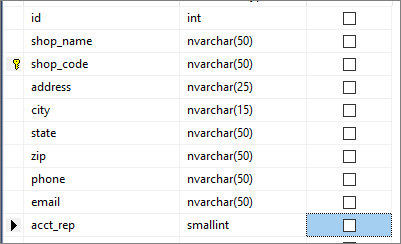
[phone] [nvarchar](50) NOT NULL,

[email] [nvarchar](50) NULL,

[acct\_rep] [smallint] NULL,

CONSTRAINT [PK\_TBL\_SHOP] PRIMARY KEY CLUSTERED

([shop\_code] ASC))



**DDL Query #11- Foreign key on TBL\_EXPENSE to reference TBL\_COMMON\_MTRLS**

ALTER TABLE [dbo].[TBL\_EXPENSE] WITH CHECK ADD CONSTRAINT [FK\_TBL\_EXPENSE\_TBL\_COMMON\_MTRL] FOREIGN KEY([type], [desc1], [desc2])

REFERENCES [dbo].[TBL\_COMMON\_MTRL] ([type], [desc1], [desc2])

ON UPDATE CASCADE

**DDL Query #12- Foreign key on TBL\_DEPENDENT to reference TBL\_EMPLOYEE**

ALTER TABLE [dbo].[TBL\_DEPENDENT] WITH CHECK ADD CONSTRAINT [FK\_TBL\_DEPENDENT\_TBL\_EMPLOYEE] FOREIGN KEY([emp\_id])

REFERENCES [dbo].[TBL\_EMPLOYEE] ([emp\_id])

ON UPDATE CASCADE

**DDL Query #13- Foreign key on TBL\_SHOP to reference TBL\_EMPLOYEE**

ALTER TABLE [dbo].[TBL\_SHOP] WITH CHECK ADD CONSTRAINT [FK\_tbl\_shop\_tbl\_employee] FOREIGN KEY([acct\_rep])

REFERENCES [dbo].[TBL\_EMPLOYEE] ([emp\_id])

ON UPDATE CASCADE

**DDL Query #14- Foreign key on TBL\_INVOICE to reference TBL\_PRODUCT**

ALTER TABLE [dbo].[TBL\_INVOICE] WITH CHECK ADD CONSTRAINT [FK\_TBL\_INVOICE\_TBL\_PRODUCT] FOREIGN KEY([prdct\_code])

REFERENCES [dbo].[TBL\_PRODUCT] ([prdct\_code])

ON UPDATE CASCADE

**DDL Query #15- Foreign key on TBL\_INVOICE to reference TBL\_SHOP**

ALTER TABLE [dbo].[TBL\_INVOICE] WITH CHECK ADD CONSTRAINT [FK\_TBL\_INVOICE\_TBL\_SHOP] FOREIGN KEY([shop\_code])

REFERENCES [dbo].[TBL\_SHOP] ([shop\_code])

ON UPDATE CASCADE

**DDL Query #16- Foreign key on TBL\_PRICE to reference TBL\_PRODUCT**

ALTER TABLE [dbo].[TBL\_INVOICE] WITH CHECK ADD CONSTRAINT [FK\_TBL\_INVOICE\_TBL\_PRODUCT] FOREIGN KEY([prdct\_code])

REFERENCES [dbo].[TBL\_PRODUCT] ([prdct\_code])

ON UPDATE CASCADE

**DDL Query #17- Foreign key on TBL\_PRICE to reference TBL\_SHOP**

ALTER TABLE [dbo].[TBL\_PRICE] WITH CHECK ADD CONSTRAINT [FK\_tbl\_price\_tbl\_shop] FOREIGN KEY([shop\_code])

REFERENCES [dbo].[TBL\_SHOP] ([shop\_code])

ON UPDATE CASCADE

**DDL Query #18- Drop Foreign key on TBL\_PRODUCT to reference TBL\_PRDCT\_TYPE, re-assert and add** ON UPDATE CASCADE

ALTER TABLE [dbo].[TBL\_PRODUCT]

DROP CONSTRAINT [FK\_TBL\_PRODUCT\_TBL\_PRDCT\_TYPE];

ALTER TABLE [dbo].[TBL\_PRODUCT] WITH CHECK ADD CONSTRAINT [FK\_TBL\_PRODUCT\_TBL\_PRDCT\_TYPE] FOREIGN KEY([prdct\_type])

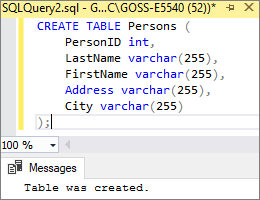
REFERENCES [dbo].[TBL\_PRDCT\_TYPE] ([type])

ON UPDATE CASCADE

**DDL Query #19- Check gender on TBL\_DEPENDENT to equal “M” or “F”**

ALTER TABLE [dbo].[TBL\_DEPENDENT]

ADD CONSTRAINT CHK\_DpndtGender CHECK (gender='M' OR gender='F');

**DDL Query #20- create trigger to show that a new table has been created.**

CREATE TRIGGER table\_created

ON DATABASE

FOR CREATE\_TABLE

AS

PRINT 'Table was created.';

--TEAM NAME:

--TEAM MEMBERS' NAME:

--~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

--DDL QUERIES (THERE MUST BE 10 DDL QUERIES; GIVE A NUMBER "#" TO EACH QUERY)

--Q#: CREATE TABLE ...

--Q#: ALTER TABLE ...

AIM: .....................

--Q#: CHECK QUERY:

AIM: .....................

--Q#: ADD CONSTRAINT(S) TO THE TABLE ...

AIM: .....................

--Q#: ADD TRIGGER TO CHECK ...

AIM: .....................

**ALTER TABLE TBL\_COMMON\_MTRL**

**ADD PRIMARY KEY (type, subtype);**