--Create Sales db for testing

USEmaster;

GO

CREATEDATABASESales--<Database Name

ONPRIMARY--<File Group

(NAME=Sales\_dat,--<DB mdf Name

FILENAME='C:\DataFiles\saledat.mdf',--<path of directory

SIZE= 105MB,--<size of data file

MAXSIZE= 500MB,--<max size file

FILEGROWTH=5 )--< incremental growth

LOGON

(NAME=Sales\_log,

FILENAME='C:\DataFiles\salelog.ldf',

SIZE= 5MB,

MAXSIZE= 25MB,

FILEGROWTH=5MB);

GO

USESALES

GO

--Create Table for testing

CREATE TABLE Employee

(EmpIDintIdentity (1,1)PrimaryKeyNotNull,--<primary key constraint

Fnamevarchar(15)Null,

Lnamevarchar(30)Null,

AgetinyintNull,

Addressvarchar(50)Null,

Cityvarchar(20)Null,

Statechar (2)Null);

Select\*FromEmployee

--Exmaples of ALTER command:

--USE ALTER TO ADD COLUMN

ALTERTABLEEmployee

ADDDateOfBirthdate

Select\*FromEmployee

--USE ALTER CHANGE DATA TYPE

ALTERTABLEEmployee

ALTERCOLUMNDateOfBirthvarchar(15)

--USE ALTER CHANGE DATA TYPE TO NOT NULL VALUE

ALTERTABLEEmployee

ALTERCOLUMNDateOfBirthvarchar(15)NOTNULL

--USE ALTER DROP COLUMN

ALTERTABLEEmployee

DROPCOLUMNDateOfBirth

--USE ALTER TO ADD CONSTRAINT

ALTERTABLEEmployee

ADDCONSTRAINTck\_Employee\_AgeCHECK (Age>1 andAge<130);--<< cannot insert value less than 1 or greater than 130

--Verify:

SelectAgefromEmployee

InsertIntoEmployee(Age)--<< as the age 30 is within the boundary of the check constraint, it will insert

Values (30)

InsertIntoEmployee(Age)--<< as the age 0 is out side the boundary of the check constraint, it will fail to insert

Values (0)

InsertIntoEmployee(Age)--<< as the age 131 is out side the boundary of the check constraint, it will fail to insert

Values (131)

--USE ALTER TO DROP CONSTRAINT

ALTERTABLEEmployee

DROPCONSTRAINTck\_Employee\_Age;

USEmaster

GO

DROPDATABASESales

https://technet.microsoft.com/en-us/library/cc879314%28v=sql.110%29.aspx