# Example Code

## Control statements

BEGIN END

**Table variable** USE <database> GO

DECLARE @ListOfStudents Table (

[rowNumber] int NOT NULL identity(1,1), [LastName] varchar(100) NULL, [FirstName] varchar(100) NULL, [Username] varchar(100) NULL, [UserPassword] varchar(100) NULL

)

**Inserting data into the table variable**

INSERT INTO @ListOfStudents(LastName, FirstName, Username, UserPassword) SELECT LastName, FirstName, Username, password FROM <table>

**Controlled starting point**

IF EXISTS(SELECT \* FROM @listOfStudents)

BEGIN

-- <Insert code Here>

**Driving loop**

END

WHILE @currentRow <= @maximumRows

BEGIN

-- <Insert code Here>

SET @currentRow += 1; END

**Creating logins**

DECLARE @ExecTemp nvarchar(1000)

DECLARE @\_Login nvarchar(100), @\_Password nvarchar(100), @\_DefaultDatabase nvarchar(100)

BEGIN

SET @ExecTemp = 'CREATE LOGIN ' + @\_Login + ' WITH PASSWORD = ''' +

@\_Password + ''', DEFAULT\_DATABASE = ' + @\_DefaultDatabase PRINT(@ExecTemp)

EXEC (@ExecTemp)

END

**Creating databases**

--Declare and set parameters DECLARE @dbFilePath nvarchar(2000) DECLARE @dbLogPath nvarchar(2000)

DECLARE @createFolderXP nvarchar(2000) DECLARE @domainLogin nvarchar(30) DECLARE @prefix nvarchar(200)

DECLARE @dbName nvarchar(1000)

DECLARE @logicalDataName nvarchar(600) DECLARE @logicalLogName nvarchar(600) DECLARE @dataFileName nvarchar(600) DECLARE @logFileName nvarchar(600)

DECLARE @dataSize nvarchar(500) DECLARE @dataMaxSize nvarchar(500) DECLARE @dataFileGrowth nvarchar(500) DECLARE @logSize nvarchar(500) DECLARE @logMaxSize nvarchar(500) DECLARE @logFileGrowth nvarchar(500)

DECLARE @exeTemp nvarchar(5000)

BEGIN

--create DB

PRINT('Begin create database')

SET @LogicalDataName=@DBName + '\_dat'

SET @DataFileName= @dbFilePath + @DBName + '.mdf'

SET @LogicalLogName=@DBName + '\_log'

SET @LogFileName= @dbLogPath + @DBName + '.ldf'

SET @exeTemp = 'CREATE DATABASE ' + @DBName + ' ON ('

+ 'NAME = [' + @LogicalDataName + '], '

+ 'FILENAME = [' + @DataFileName + '], '

+ 'SIZE = ' + @DataSize + ', '

+ 'MAXSIZE = ' + @DataMaxSize + ', '

+ 'FILEGROWTH = ' + @DataFileGrowth + ') '

+ 'LOG ON ('

+ 'NAME = [' + @LogicalLogName + '], '

+ 'FILENAME = [' + @LogFileName + '], '

+ 'SIZE = ' + @LogSize + ', '

+ 'MAXSIZE = ' + @LogMaxSize + ', '

+ 'FILEGROWTH = ' + @LogFileGrowth + ') ' PRINT('Creating database ' + @DBName)

END

PRINT(@exeTemp) EXEC (@exeTemp)

## Creating database users

SET @exeTemp='USE ' + @\_DBName + ' CREATE USER [' + @\_Login + '] FOR LOGIN [' + @\_Login + ']'

**Tasks**

1. Using the SQL Server import and export wizard, import the CSV file of database users on the I drive into a new table in a database on your SQL Server. How you do this is up to you (import from csv, xslx, etc).
2. Using the imported user data, for each user create a database, SQL Server Login and a database user

Planning

Write your pseudo code or logic flow here: