1. Create the table for storing the sql connection string, insert the detail into it and get the connection strings from the DB then use connection variables to connect the SSIS with database. Don’t use direct connections.
2. **Scenario 1:**

A source table contains emp\_name and salary columns. Develop a package to load all records with 5th highest salary into the target table.

1. **Scenario 2:**

**Source:**

|  |
| --- |
| **id** |
| 1 |
| 1 |
| 2 |
| 2 |
| 3 |
| 4 |
| 4 |
| 5 |

I want the unique records and the duplicate records to be loaded in separate tables.

**Sample output**

|  |
| --- |
| **Table 1(Unique Values)** |
| **id** |
| 3 |
| 5 |

|  |
| --- |
| **Table 2(Duplicate Values)** |
| **id** |
| 1 |
| 2 |
| 4 |

1. **Scenario 3:**

Develop a SSIS package to load the control table with the following structure:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Session Name** | **Start Time** | **End Time** | **No Of Rows Affected** | **Status** |
| 1 | PKG\_Stage | 27/11/2014 10:00 AM | 27/11/2014 10:10 AM | 273 | Succeeded |
| 2 | PKG\_Dim | 27/11/2014 10:00 AM | NULL | NULL | In Progress |
| 3 | PKG\_Fact | 27/11/2014 10:00 AM | 27/11/2014 10:07 AM | 0 | Failed |

1. **Scenario 4:**

This is a simple challenge to design a mapping that validates an SSN. The mapping should remove invalid SSN values and load the table with only valid SSN values.

**Validation Rules**

1. The value should be in the format of XXX-XX-XXXX where each X represents a digit
2. The first three digits (Area number) cannot be between 734 and 749.
3. The first three digits (Area number) cannot be higher than  772
4. The first three digits (Area number) cannot be 666
5. It is not allowed to have all zeros in any of the digit group. For example 000-12-1234, 123-00-1234 or 123-12-0000 etc., are invalid
6. Numbers from 987-65-4320 to 987-65-4329 cannot be used

**Here is the sample data**

|  |
| --- |
| **SSN** |
| 123-45-6789 |
| 123-45-67.89 |
| ABC-12-3455 |
| 123-45-67890 |
| 123-456789 |
| 123-45-6789 |
| 12345-6789 |
| 123456789 |
| 123-12-1234 |

**Expected Result:**

|  |
| --- |
| **SSN** |
| 123-45-6789 |
| 123-12-1234 |

1. **Scenario-5**  
   Flat file embedded below contains Customer information who possess membership in a retail outlet



* Create a table named “Dim\_Members” based on the data in the file
* Create a mapping to insert the records from the flat file into Dim\_Members.

1. **Scenario-6**  
   Excel file embedded below contains transaction details of members from a retail outlet

** **

Insert distinct transaction data from the sheets to a single table in database. (Create the table with required data types)

Place the above two files into your own folder and process these files using for each loop container.

1. **Scenario-7**After processing the above files move those files into Archive folder, appended with current date.