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# User Case 1

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CREATE A SSIS PACKAGE TO IMPORT THE TWO FILES (DEPT.txt,** **EMPLOYEE.csv) INTO THE FOLLOWING TABLE STRUCTURE IN SQL SERVER****SQL SERVER TABLE STRUCTURE**CREATE TABLE EMPLOYEE(EMPID INT,NAME VARCHAR(100),SAL FLOAT,TAX FLOAT,DEPTID INT,DEPTNAME VARCHAR(100),DEPTLOCATION VARCHAR(100))**USING THE MERGE JOIN TO JOIN THE TWO SOURCE DATA FILES AND IMPORT IT INTO THE SQL SERVER DESTINATION**

|  |  |
| --- | --- |
| **SOURCE1** | **SOURCE2** |
| **EMPLOYEE.csv** | **DEPT.txt** |
|  |  |
| **DESTINATION** |  |
| **TABLE**  | EMPLOYEE |

 |

# Use Case 2

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| **Do the above scenario using SCD (Slowly Changing Dimensions). After doing the merge join, Import merged data to the SQL SERVER TABLE USING SLOWLY CHANGING DIMENSION.**CREATE TABLE EMPLOYEE(EMPID INT,NAME VARCHAR(100),SAL FLOAT,TAX FLOAT,DEPTID INT,DEPTNAME VARCHAR(100),DEPTLOCATION VARCHAR(100)) |

# Use Case 3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Create a Package to export the SQL SERVER TABLE Created using the above scenarios to txt file and csv file.** **The data should be exported to two different formats.**

|  |  |
| --- | --- |
| DESTINATION |  |
| TXT FILE | CSV FILE |

**Once the package have been executed, an entry should be made in the SQL SERVER table with the details.**CREATE TABLE PACKAGE\_EXECUTIONDETAILS(SNO INT IDENTITY(1,1),PACKAGENAME NVARCHAR(500),EXECUTEDBY NVARCHAR(500),EXECUTEDDATETIME DATETIME) |

# Use Case 4

|  |
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| **WRITE A PACKAGE TO IMPORT IN TWO SOURCE (COUNTRY1.csv, COUNTRY2.csv) FILES INTO THE COUNTRY TABLE USING A SINGLE PACKAGE.**CREATE TABLE COUNTRY(COUNTRYID INT,COUNTRYNAME VARCHAR(100),COUNTRYCAPITAL VARCHAR(100))**ONCE THE FILE HAVE UPLOADED INTO SHOULD BE STORED IN A BACKUP FOLDER (D:\BACKUP) WITH THE FOLLOWING NAME.** **FILENAME-DD-MM-YYYY-HH-MM.csv****(THE FOLDER NAME SHOULD BE CONFIGURABLE USING A VARIABLE)** |

# Use Case 5

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| **WRITE A PACKAGE TO IMPORT THE SOURCE (EMP\_DATA.csv) FILES INTO THE EMP\_DATA TABLE.**CREATE TABLE EMP\_DATA(EMPID INT NOT NULL,EMPNAME NVARCHAR(200) NOT NULL,Gender NVARCHAR(200) NOT NULL,SALARY FLOAT NOT NULL,Tax FLOAT NOT NULL ,DEPT VARCHAR(100) NOT NULL,Designation VARCHAR(100) NOT NULL,Color VARCHAR(100) NOT NULL,DOJ DATETIME NOT NULL)**ONCE THE FILE HAVE BE UPLOADED IT SHOULD BE MOVED INTO THE BACKUP FOLDER (D:\BACKUP) WITH THE FOLLOWING NAME.** **FILENAME-DD-MM-YYYY-HH-MM.csv****(THE FOLDER NAME SHOULD BE CONFIGURABLE USING A VARIABLE)****ERROR IF ANY SHOULD BE LOGGED INTO THE EMP\_DATA\_ERROR TABLE.**CREATE TABLE EMP\_DATA\_ERROR(EMPID INT NOT NULL,EMPNAME NVARCHAR(200) NOT NULL,Gender NVARCHAR(200) NOT NULL,SALARY FLOAT NOT NULL,Tax FLOAT NOT NULL ,DEPT VARCHAR(100) NOT NULL,Designation VARCHAR(100) NOT NULL,Color VARCHAR(100) NOT NULL,DOJ DATETIME NOT NULL,FILE\_NAME VARCHAR(100) NOT NULL,ERRORDATETIME DATETIME)**FILE\_NAME SHOULD BE THE FILENAME STORED IN THE BACKUP FILE.** |

# SSAS- USE CASES

# Use Case 6

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Create a SSAS Tabular Model from the following file (EmploymentDataForCompany.csv).****Import the CSV FILE and create the Tabular model out of this.****Add the measures to the following attributes in tabular model.**

|  |  |
| --- | --- |
| **ATTRIBUTES** | **MEASURES** |
| **TotalMonthlyCTC** | **SUMOFMONTHLYCTC** |
| **TotalannualCTC** | **SUMOFANNUALCTC** |

 |

# Use Case 7

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| --- |
| **Create a Perspective with the following attribute.****Employee Number,Employee Type,Gender Category,** **Department,Division, TotalMonthlyCTC,TotalannualCTC, SUMOFMONTHLYCTC, SUMOFANNUALCTC** |

# Use Case 8

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| **TAKE A BACKUP OF THE TABULAR MODEL AND STORE IT IN A FILE.** |

# Use Case 9

|  |
| --- |
| **WRITE A SCRIPT TO PROCESS THE TABULAR MODEL CREATED.** |

# User Case 10

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CREATE A TABULAR MODEL BY IMPORTING THE TWO FILES (DEPT.txt,** **EMPLOYEE.csv) INTO THE TABULAR MODEL.**ADD TWO MEASURES INTO IT.

|  |  |
| --- | --- |
| **ATTRIBUTE** | **MEASURES** |
| **SAL** | **TOTALSAL** |
| **TAX** | **TOTALTAX** |

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