**Step1: To create a new Integration Services project**

1. On the Start menu, point to All Programs, point to Microsoft SQL Server, and click SQL Server SQL Server Data Tools.
2. On the File menu, point to New, and click Project to create a new Integration Services project.
3. In the New Project dialog box, select Integration Services Project in the Templates pane.
4. In the Name box, change the default name to SSIS Tutorial. Optionally, clear the Create directory for solution check box.
5. Accept the default location, or click Browse to browse to locate the folder you want to use. In the Project Location dialog box, click the folder and click Select Folder.
6. Click OK.

By default, an empty package, titled **Package.dtsx**, will be created and added to your project.

* + 1. In the Solution Explorer toolbar, right-click Package.dtsx, click Rename, and rename the default package to Demo1.dtsx.
    2. When prompted to rename the package object, click Yes.

**Step2: To add a Flat File connection manager to the SSIS package**

1. Right-click anywhere in the Connection Managers area, and then click New Flat File Connection.
2. In the Flat File Connection Manager Editor dialog box, for Connection manager name, type Sample Flat File Source Data.
3. Click Browse.
4. In the Open dialog box, locate the SampleCurrencyData.txt file 172.21.17.1\Lab6\_SSIS\Day1\Walkthrough\SampleCurrencyData.txt
5. Clear the Column names in the first data row checkbox.

**Step3:To rename columns in the Flat File connection manager**

1. In the Flat File Connection Manager Editor dialog box, click Advanced.
2. In the property pane, make the following changes:

* Change the Column 0 name property to AverageRate.
* Change the Column 1 name property to CurrencyID.
* Change the Column 2 name property to CurrencyDate.
* Change the Column 3 name property to EndOfDayRate.

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| **NoteNote** |
| By default, all four of the columns are initially set t o a string data type [DT\_STR] with an OutputColumnWidth of 50. |

**Step4:Change the DataType**

1. In the list, select the CurrencyID column and in the property pane, change the Data Type of column CurrencyID from string [DT\_STR] to Unicode string [DT\_WSTR].
2. In the property pane, change the data type of column CurrencyDate from date [DT\_DATE] to database date [DT\_DBDATE].
3. Click OK.

### Step 5: To add and configure an OLE DB Connection Manager

1. Right-click anywhere in the Connection Managers area, and then click New OLE DB Connection.
2. In the Configure OLE DB Connection Manager dialog box, click New.
3. For Server name, enter localhost.

When you specify localhost as the server name, the connection manager connects to the default instance of SQL Server on the local computer. To use a remote instance of SQL Server, replace localhost with the name of the server to which you want to connect.

1. In the Log on to the server group, verify that Use Windows Authentication is selected.
2. In the Connect to a database group, in the Select or enter a database name box, type or select AdventureWorksDW.
3. Click Test Connection to verify that the connection settings you have specified are valid.
4. Click OK.
5. Click OK.
6. In the Data Connections pane of the Configure OLE DB Connection Manager dialog box, verify that **AdventureWorksDW** is selected.
7. Click OK.

**Step6:To add a Data Flow task**

1. Click the Control Flow tab.
2. In the Toolbox, expand Control Flow Items, and drag a Data Flow Task onto the design surfaceof the Control Flow tab.
3. On the Control Flow design surface, right-click the newly added Data Flow Task, click Rename, and change the name to Extract Sample Currency Data.

It is good practice to provide unique names to all components that you add to a design surface. to document your packages is by using annotations..

1. Right-click the Data Flow task, click Properties, and in the Properties window, verify that the LocaleID property is set to English (United States).

### Step7:To add a Flat File Source component

1. Open the Data Flow designer, either by double-clicking the Extract Sample Currency Data data flow task or by clicking the Data Flow tab.
2. In the Toolbox, expand Data Flow Sources, and then drag a Flat File Source onto the design surface of the Data Flow tab.
3. On the Data Flow design surface, right-click the newly added Flat File Source, click Rename, and change the name to Extract Sample Currency Data.
4. Double-click the Flat File source to open the Flat File Source Editor dialog box.
5. In the Flat file connection manager box, type or select Sample Flat File Source Data.
6. Click Columns and verify that the names of the columns are correct.
7. Click OK.
8. Right-click the Flat File source and click Properties.
9. In the Properties window, verify that the LocaleID property is set to English (United States).