This example assumes that we are preparing a promotion for North American customers and need to filter out addresses that are not located in North America.

1. Before creating the new Script component, create a connection manager and configure a data flow source that selects address data from the **AdventureWorks** sample database. For this example, which only looks at the **CountryRegionName** column, you can simply use the **Person.vStateCountryProvinceRegion** view, or you can select data by joining the **Person.Address**, **Person.StateProvince**, and **Person.CountryRegion** tables.
2. Add a new Script component to the Data Flow designer surface and configure it as a transformation. Open the **Script Transformation Editor**.
3. On the **Script** page, set the **ScriptLanguage** property to the script language that you want to use to code the script.
4. Click **Edit Script** to open Microsoft Visual Studio Tools for Applications (VSTA).
5. In the **Input0\_ProcessInputRow** method, type or paste the sample code shown below.
6. public override void Input0\_ProcessInputRow(Input0Buffer Row)
7. {
8. if (Row.CountryRegionName != "Canada" && Row.CountryRegionName != "United States")
9. {
10. Console.WriteLine("You selected Canada or United States" );
11. }
12. else
13. {
14. Console.WriteLine("You selectedsomething else");
15. }
16. }
17. Close VSTA.
18. On the **Input Columns** page, select the columns that you want to process in the Script transformation. This example uses only the **CountryRegionName** column. Available input columns that you leave unselected will simply be passed through unchanged in the data flow.
19. Close the **Script Transformation Editor.**
20. Attach the outputs of the Script component to suitable destinations. Flat file destinations are the easiest to configure for ad hoc testing. Configure it
21. Run the package.
22. You will see the records create in the flat file.