

```

Function DownloadWebFileExample()
    String url = "http://www.wavemetrics.net/IgorManual.zip"

    // Based on the URL, determine what the destination
    // file name should be. This will be the default in the
    // Save As... dialog.
    String urlStrParam = RemoveEnding(url, "/")
    Variable parts = ItemsInList(urlStrParam, "/")
    String destFileNameStr = StringFromList(parts - 1, urlStrParam, "/")
    if (strlen(destFileNameStr) < 1)
        Print "Error: Could not determine the name of the destination file."
        return 0
    endif

    Variable refNum
    Open/D/M="Save File As..."/T="?????" refNum as destFileNameStr
    String fullPath = S_fileName

    if (strlen(fullPath) > 0) // No error and user didn't cancel in dialog.
        // Open the selected file so that it can later be written to.
        Open/Z/T="?????" refNum as fullPath
        if (V_flag != 0)
            Print "There was an error opening the local destination file."
        else
            String response = FetchURL(url)
            Variable error = GetRTError(1)
            if (error == 0 && numtype(strlen(response)) == 0)
                FBinWrite refNum, response
                Close refNum
                Print "The file was successfully downloaded as " + fullPath
            else
                Close refNum
                DeleteFile/Z fullPath // Clean up the empty file.
                Print "There was an error downloading the file."
            endif
        endif
    endif
End

```

Making a Query Via HTTP

Another use for HTTP requests is to get the server's response to a query. Many simple web forms use the HTTP GET method, which both FetchURL and URLRequest support. For example, you can simulate the submission of the basic Google search form using the following code.

```

Function WebQueryExample()
    String keywords
    String baseURL = "http://www.gutenberg.org/ebooks/search/"

    // Prompt the user to enter search keywords.
    Prompt keywords, "Enter search term"
    DoPrompt "Search Gutenberg.org", keywords
    if (V_flag == 1)
        return -1 // User clicked cancel button
    endif

    // Pass the search terms through URLEncode to
    // properly percent-encode them.
    keywords = URLEncode(keywords)

    // Build the full URL.

```