

```

if (V_flag != 0)
    Print "HDF5OpenFile failed"
    return -1
endif

Variable groupID          // HDF5 group ID will be stored here
HDF5OpenGroup /Z fileID, groupPath, groupID
if (V_flag != 0)
    Print "HDF5OpenGroup failed"
    HDF5CloseFile fileID
    return -1
endif

HDF5LoadData /O /A=attributeName /TYPE=(objectType) /N=tempAttributeWave /Q
                                /Z groupID, objectName
result = V_flag                // 0 if OK or non-zero error code

if (result == 0)
    Wave tempAttributeWave
    if (WaveType(tempAttributeWave) == 0)
        attributeValue = NaN        // Attribute is string, not numeric
        result = -1
    else
        attributeValue = tempAttributeWave[0]
    endif
    KillWaves/Z tempAttributeWave
endif

// Close the HDF5 group
HDF5CloseGroup groupID

// Close the HDF5 file
HDF5CloseFile fileID

return result
End

```

Loading an HDF5 String Attribute

This function illustrates how to load a string attribute of a group or dataset. The function result is an error code. The value of the attribute is returned via the pass-by-reference attributeValue string parameter.

```

Function LoadHDF5StringAttribute(pathName, filePath, groupPath, objectName,
                                objectType, attributeName, attributeValue)

String pathName          // Symbolic path name - or ""
String filePath          // File name, relative path or full path
String groupPath         // Path to group, such as "/", "/metadata_group"
String objectName        // Name of group or dataset
Variable objectType      // 1=group, 2=dataset
String attributeName     // Name of attribute
String& attributeValue   // Output - pass-by-reference parameter

attributeValue = ""

Variable result = 0

// Open the HDF5 file
Variable fileID          // HDF5 file ID will be stored here
HDF5OpenFile /P=$pathName /R /Z fileID as filePath
if (V_flag != 0)
    Print "HDF5OpenFile failed"

```