offset is optional and requires Igor Pro 7.00 or later. If omitted it defaults to 0. The search begins *offset* bytes into *listStr*. When iterating through lists containing large numbers of items, using the *offset* parameter provides dramatically faster execution. For an example using the offset parameter, see **StringFromList**.

Details

RemoveListItem differs from **RemoveFromList** in that it specifies the item to be removed by index and removes only that item, while RemoveFromList specifies the item to be removed by value, and removes all matching items.

If *index* less than 0 or greater than ItemsInList(*listStr*) - 1, or if *listSepStr* is **""** then *listStr* is returned unchanged (unless *listStr* contains only list separators, in which case an empty string is returned).

If the resulting string contains only *listSepStr* characters, then an empty string (**""**) is returned.

Examples
```
Print RemoveListItem(1, "wave0;wave1;w2;")          // Prints "wave0;w2;"
```

See Also

The **AddListItem**, **FindListItem**, **FunctionList**, **ItemsInList**, **RemoveByKey**, **RemoveFromList**, **StringFromList**, **StringList**, **TraceNameList**, **VariableList**, **WaveList**, and **WhichListItem** functions.

RemovePath

RemovePath [**/A/Z**] *pathName*

The RemovePath operation removes a path from the list of symbolic paths. RemovePath is an old name for the new **KillPath** operation, which we recommend you use instead.

Rename

Rename *oldName*, *newName*

The Rename operation renames waves, strings, or numeric variables from *oldName* to *newName*.

Parameters

oldName may be a simple object name or a data folder path and name. *newName* must be a simple object name.

Details

You can not rename an object using a name that already exists. The following will result in an error:
```
Make wave0, wave1
// Rename wave0 and overwrite wave1.
Rename wave0, wave1          // This will not work.
```

However, you can achieve the desired effect as follows:
```
Make wave0, wave1
Duplicate/O wave0, wave1; KillWaves wave0
```

See Also
The **Duplicate** operation.

RenameDataFolder

RenameDataFolder *sourceDataFolderSpec*, *newName*

The RenameDataFolder operation changes the name of the source data folder to the new name.

sourceDataFolderSpec can be just the name of a child data folder in the current data folder, a partial path (relative to the current data folder) and name or an absolute path (starting from root) and name.

newName is just the new name for the data folder, without any path.

Details

RenameDataFolder generates an error if the new name is already in use as a data folder contained within the source data folder.

Examples
```
RenameDataFolder root:foo,foo2      // Change name of foo to foo2
```