

---

NAME

FileIO

## SYNOPSIS

```
use FileIO::FileIO;

use FileIO::FileIO qw(:all);
```

## DESCRIPTION

FileIO class provides following methods:

new, Close, Open, SetMode

FileIO class serves as a base class for all classes involved in file IO. It is derived from ObjectProperty base class which provides methods not explicitly defined in Atom or ObjectProperty class using Perl's AUTOLOAD functionality. These methods are generated on-the-fly for a specified object property:

```
Set<PropertyName>(<PropertyValue>);
$PropertyValue = Get<PropertyName>();
Delete<PropertyName>();
```

## METHODS

## new

```
$NewFileIO = new FileIO(%NamesAndValues);
```

Using specified *FileIO* property names and values hash, new method creates a new object and returns a reference to a newly created FileIO object. By default, the following properties are initialized:

```
Name = '';
Mode = 'Read';
Status = 0;
FileHandle = '';
```

## Close

```
$FileIO->Close();
```

Close open file and returns *FileIO*.

## Open

```
$FileIO->Open();
```

Opens the file using file *Name* and *Mode* and returns *FileIO*.

## SetMode

```
$FileIO->SetMode($Mode);
```

Sets up file *Mode* and returns *FileIO* Default *Mode* value: *Read*. Supported *Mode* values:

Read, Write, Append, <, >, >>, r, w, a

## SetName

```
$FileIO->SetName($Name);
```

Sets up file *Name* and returns *FileIO*.

## AUTHOR

Manish Sud <msud@san.rr.com>

## SEE ALSO

MoleculeFileIO.pm, MDLMolFileIO.pm, SDFFileIO.pm

## COPYRIGHT

Copyright (C) 2018 Manish Sud. All rights reserved.

This file is part of MayaChemTools.

MayaChemTools is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 3 of the License, or (at your option) any later version.