:mod:`pipes` --- Interface to shell pipelines

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]pipes.rst`, **line 1**); *backlink*

Unknown interpreted text role "mod".

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]pipes.rst`, **line 4**)

Unknown directive type "module".

```
.. module:: pipes
   :platform: Unix
   :synopsis: A Python interface to Unix shell pipelines.
   :deprecated:
```

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]pipes.rst`, **line 9**)

Unknown directive type "sectionauthor".

```
.. sectionauthor:: Moshe Zadka <moshez@zadka.site.co.il>
```

Source code: :source:`Lib/pipes.py`

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]pipes.rst`, **line 11**); *backlink*

Unknown interpreted text role "source".

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]pipes.rst`, **line 13**)

Unknown directive type "deprecated".

```
.. deprecated:: 3.11
   The :mod:`pipes` module is deprecated (see :pep:`594` for details).
```

The :mod:`pipes` module defines a class to abstract the concept of a *pipeline* --- a sequence of converters from one file to another.

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]pipes.rst`, **line 18**); *backlink*

Unknown interpreted text role "mod".

Because the module uses :program:`/bin/sh` command lines, a POSIX or compatible shell for :func:`os.system` and :func:`os.popen` is required.

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]pipes.rst`, **line 21**); *backlink*

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Unknown interpreted text role "func".

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The :mod:`pipes` module defines the following class:

An abstraction of a pipeline.

Example:

```
>>> import pipes
>>> t = pipes.Template()
>>> t.append('tr a-z A-Z', '--')
>>> f = t.open('pipefile', 'w')
>>> f.write('hello world')
>>> f.close()
>>> open('pipefile').read()
'HELLO WORLD'
```

Template Objects

Template objects following methods:

```
Append a new action at the end. The *cmd* variable must be a valid bourne shell
command. The *kind* variable consists of two letters.

The first letter can be either of ``'-'`` (which means the command reads its
standard input), ``'f'`` (which means the commands reads a given file on the
command line) or ``'.'`` (which means the commands reads no input, and hence
must be first.)

Similarly, the second letter can be either of ``'-'`` (which means  the command
writes to standard output), ``'f'`` (which means the  command writes a file on
the command line) or ``'.'`` (which means the command does not write anything,
and hence must be last.)
```