:mod:`tomllib` --- Parse TOML files

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

Unknown directive type "module".

```
.. module:: tomllib
   :synopsis: Parse TOML files.
```

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]tomllib.rst`, line 7)

Unknown directive type "versionadded".

```
.. versionadded:: 3.11
```

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

Unknown directive type "moduleauthor".

```
.. moduleauthor:: Taneli Hukkinen
```

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]tomllib.rst`, line 10)

Unknown directive type "sectionauthor".

```
.. sectionauthor:: Taneli Hukkinen
```

Source code: :source:`Lib/tomllib`

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]tomllib.rst`, line 12); *backlink*

Unknown interpreted text role "source".

This module provides an interface for parsing TOML (Tom's Obvious Minimal Language, https://toml.io). This module does not support writing TOML.

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]tomllib.rst`, line 20)

Unknown directive type "seealso".

```
.. seealso::

    The `Tomli-W package <https://pypi.org/project/tomli-w/>`__
    is a TOML writer that can be used in conjunction with this module,
    providing a write API familiar to users of the standard library
    :mod:`marshal` and :mod:`pickle` modules.
```

System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\[cpython-main][Doc][library]tomllib.rst`, line 27)

Unknown directive type "seealso".

```
.. seealso::

    The `TOML Kit package <https://pypi.org/project/tomlkit/>`__
    is a style-preserving TOML library with both read and write capability.
    It is a recommended replacement for this module for editing already
    existing TOML files.
```

This module defines the following functions:

The following exceptions are available:

Examples

Parsing a TOML file:

```
import tomllib

with open("pyproject.toml", "rb") as f:
    data = tomllib.load(f)
```

Parsing a TOML string:

```
import tomllib

toml_str = """
python-version = "3.11.0"
python-implementation = "CPython"
"""
```

```
data = tomllib.loads(toml_str)
```

Conversion Table

TOML	Python
table	dict
string	str
integer	int
float	float (configurable with *parse_float*)
boolean	bool
offset date-time	datetime.datetime (`tzinfo` attribute set to an instance of `datetime.timezone`)
local date-time	datetime.datetime (`tzinfo` attribute set to `None`)
local date	datetime.date
local time	datetime.time
array	list