: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".

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Unknown directive type "module".

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

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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

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Unknown directive type "sectionauthor".

.. sectionauthor:: Taneli Hukkinen

Source code: :source: Lib/tomllib

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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.

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Unknown directive type "seealso".

.. seealso::

The `Tomli-W package __ 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.

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Unknown directive type "seealso".

```
.. seealso::

The `TOML Kit package <a href="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:

```
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Unknown directive type "function".

.. function:: load(fp, /, *, parse_float=float)

Read a TOML file. The first argument should be a readable and binary file object. Return a :class:\dict\. Convert TOML types to Python using this :ref:\conversion table <toml-to-py-table>\cdot\.

*parse_float* will be called with the string of every TOML float to be decoded. By default, this is equivalent to \dictheta{loats} (num_str)\dictheta{loats}. This can be used to use another datatype or parser for TOML floats (e.g. :class:\decimal.Decimal\dictheta{loats}). The callable must not return a :class:\dictheta{loats} (or a :class:\dictheta{loats}) (or a :cla
```

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\(cpython-main\) (Doc) (library) tomllib.rst, line 52)

Unknown directive type "function".

.. function:: loads(s, /, *, parse_float=float)

Load TOML from a :class:`str` object. Return a :class:`dict`. Convert TOML
```

types to Python using this :ref:`conversion table <toml-to-py-table>`. The *parse_float* argument has the same meaning as in :func:`load`.

A :exc:`TOMLDecodeError` will be raised on an invalid TOML document.

The following exceptions are available:

```
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```

Unknown directive type "exception".

```
.. exception:: TOMLDecodeError
Subclass of :exc:`ValueError`.
```

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"
```

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