

Portability

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1 Portability

Python works really hard to make platform differences invisible.

It works really well for most things, like file system access and network programming.

For things that have no corresponding implementation on other operating systems, the differences are documented. For examples, go to <https://docs.python.org/3/library/subprocess.html> and search for *POSIX* and *Windows*.

- Use the *pathlib* module in the standard library
- Don't use native GUI, use a portable one
 - Use Qt or GTK+
 - For Qt, use Pyside Python bindings
- Don't use the *win32* API

If you do things that are really not portable, use the *platform* module.

<https://docs.python.org/3/library/platform.html>

```
[1]: import platform

my_platform = platform.system()
print(my_platform)

if my_platform in ['Linux', 'MacOS', 'iOS']:
    print('You are on a Unix like system.')
elif my_platform == 'Windows':
    print('You are on a Windows system.')
else:
    print(f'You are on a {my_platform} system.')
```

Linux

You are on a Unix like system.

```
[ ]:
```