subprocess.Popen()

The underlying process creation and management in this module is handled by the **Popen**class. It offers a lot of flexibility so that developers are able to handle the less common cases not covered by the convenience functions.

**subprocess.Popen()** executes a child program in a new process. On Unix, the class uses **os.execvp()**-like behavior to execute the child program. On Windows, the class uses the Windows **CreateProcess()** function.

>>> import subprocess

>>> proc = subprocess.Popen(['echo', '"Hello world!"'],

... stdout=subprocess.PIPE)

>>> stddata = proc.communicate()

>>> stddata

('"Hello world!"\n', None)

>>> import subprocess

>>> proc = subprocess.Popen(['echo', '"Hello world!"'],

... stdout=subprocess.PIPE)

>>> stdoutdata = proc.communicate()[0]

>>> stdoutdata

'"Hello world!"\n'