Calling shell script inside python

subprocess is module to call shell command inside python code:

import subprocess

subprocess.call([])

1. For example, there is a shell script: test.sh (make sure: chmod +x test.sh and include #!/bin/sh on the first line)

2. subprocess.call([‘./test.sh’])

3. If there are any arguments for this script, then subprocess.call([‘./test.sh’, ‘arg1’, ‘agr2’])

4. If passing any python variables (numerical variables: a, b, c) to the shell script arguments, then subprocess.call([‘./test.sh’, str(a), str(b), str(c)])

5. Keep in mind that the default type for numerical variables is float, e.g. 1.0. So it should be converted into integer before it is converted into a string and passed to the shell script arguments.

The above is describing the case of using shell script in python, that is outputting some python results to shell script as a input. Its is also possible vice versa. E.g:

import subprocess

import numpy as np

process\_out1=subprocess.run(['ls','-l'],stdout=subprocess.PIPE)

print(process\_out1.stdout.decode('utf-8'))