LINUX:-

import json

import subprocess

with open("/Users/aytripat/Aviral/dependencies.json", "r") as json\_file:

dependencyObj = json.load(json\_file)

failure\_flag = 0

failure\_list = []

for library in dependencyObj["dependencies"]:

process = subprocess.Popen(['pip', 'install', library],

stdout=subprocess.PIPE,

universal\_newlines=True)

while True:

return\_code = process.poll()

if return\_code is not None:

if return\_code != 0:

failure\_flag = 1

failure\_list.append(library)

break

break

if failure\_flag == 1:

print "The following dependencies failed to get installed:"

for i in failure\_list:

print i

else:

print "Success. All dependencies installed."

Assumptions:

1. The json file described in the file isn't syntactically correct. Please check my dependencies.json file for the current syntax.

2. I have used subprocess to trigger bash commands from python. Other possible option was 'os'.

3. The code has been tested and ran on Python 2.7.16.