

Lecture

subprocess >> เขียนไพธอนเพื่อนไปรันโปรแกรมอื่น

import subprocess #สำหรับรัน terminal command

```
def print_():
    print("-----")
if __name__ == "__main__":
    #basic terminal command
    subprocess.run(["ls", "-ltr"])
    print("first run num=100 XX=90")
    subprocess.run(["python", "firstpy.py", "--num", "100", "--XX", "90"])
    print_()
    print("second run num=-10 XX=-90")
    subprocess.run(["python", "firstpy.py", "--num", "-10", "--XX", "-90"])
    print_()
    print("third run num=0")
    subprocess.run(["python", "firstpy.py", "--num", "0"])
    print_()
```

เอา output มาหาลen

#use output from other program

```
process_output = subprocess.Popen(["python", "firstpy.py", "--num", "0"],
                                   stdout=subprocess.PIPE,
                                   stderr=subprocess.PIPE)
```

```
out, err = process_output.communicate()
print(out.decode('utf-8'))
print(len(out.decode('utf-8')))
```