Python Standard Library

os module provides functions for interacting with the operating system

```python
import os

os.getcwd()                         # /usr/bin/python33

os.system("rmdir dir2")             # it will remove dir2

os.chdir("/home/ahmedmoawad")       # change the dir. to /home/…

os.getlogin()                       # "Ahmed Moawad"
```

math

math module provides access to the mathematical functions by the C standard

```python
import math

math.ceil(3.2)          # 4

math.floor(3.6)         # 3

math.sqrt(9)            # 3

math.pi                 # 3.14
```

re

re provides regular expression matching operations

```python
import re

re.match(pattern,string)

#match string with pattern from its starting

re.fullmatch(pattern,string)

#match full string with the pattern


re.search(pattern,string)

#scan the string finding the part that match the pattern
```

External Libraries

pip tool

pip

pip is a package management system used to install and manage software packages written in Python

pip install "some library"

i.e. pip install libcloud