

C14 Modules

1. can use certain function by importing the modules
2. it is a good practice always write your own modules because you are able to design the how the output look like and implement all the knowledge that you learn in Python



can refer in the Python Essential Training/Exercise/C14 to see how a module can be created

```
#information about operating system
import os
#information about system
import sys
import random
import datetime

def main():
    v = sys.version_info
    print('Python version {}.{}.{}'.format(*v))
    a = os.name
    print(a)
    b = os.getenv('PATH')
    print(b)
    #get current working directory
    c = os.getcwd()
    print(c)
    #get a random number that generate by the system with 25 bytes long
    d = os.urandom(25)
    print(d)
    #get a random number between certain range
    e = random.randint(1, 1000)
    print(e)
    #shuffle the number in the list as the list is mutable
    f = list(range(25))
    print(f)
    random.shuffle(f)
    print(f)
    #datetime module
    now = datetime.datetime.now()
    print(now)
    #get each component as an individual part
    print(now.year, now.month, now.day, now.hour, now.minute, now.second, now.microsecond)

if __name__ == '__main__': main()
```