

موضوع الدرس : Collection النوع : النوع

List = [] \Rightarrow ordered & changeable
ok for Duplicates

Functions

• append(" ") \Rightarrow add to list

• remove(" ") \Rightarrow delete

• reverse // • sort // • index

help()

Set {} \Rightarrow unordered & immutable

add / remove ok, but no duplicates
no index because

faster

Tuple () \Rightarrow ordered & unchangeable
Duplicates ok. faster

dictionary \Rightarrow {key : value}

• update / • get / • pop / popitem • key
• Value

note : [::-1] \Rightarrow reversed

[::2] every 2 Count

التمرين 1 / 1 random numbers

to use it need to import random lib

number = random.randint(low num, high num)

0 → 1 . random

r, p, s . choice

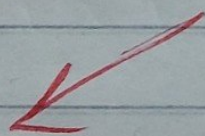
Card . Shuffle

def fun_name() : to add argument

~~try~~ exception

~~try~~ try :

~
~



the normal fun
work

except :

~
~



any except should
be caught here

except ValueError

python & file

موقع البرمجة

file Detection: need to import os

os.path.exists(path)

os.path.isfile → bool for file or not
os.path.isdir → bool for folder or not

Read file:

with open('path') as anyname

print(anyname.read())

write file

anyname.write

we can use except FileNotFoundError
try and

Copy file:

need to import shutil

shutil.copyfile

(source,
destination)

Move file: import os

(No file should be in
the dst)

os.replace(source

, dst)

Delete file: import os or shutil

os.remove(file)

shutil.rmtree

os.rmdir(folder)

Dangerous