1. def equal(a,b,c):

if a==b==c:

print(f'{a,b,c} ➞ {3}')

elif a==b or b==c:

print(f'{a,b,c} ➞ {2}')

else:

print(f'{a,b,c} ➞ {0}')

equal(3, 4, 3)

equal(1, 1, 1)

equal(3, 4, 1)

Output:

(3, 4, 3) ➞ 0

(1, 1, 1) ➞ 3

(3, 4, 1) ➞ 0

1. def dict\_to\_list(in\_dict):

out\_list = []

for keys,values in in\_dict.items():

out\_list.append((keys,values))

print(f'{in\_dict} ➞ {out\_list}')

dict\_to\_list({"D": 1,"B": 2,"C": 3})

dict\_to\_list({"likes": 2,"dislikes": 3,"followers": 10})

Output:

{'D': 1, 'B': 2, 'C': 3} ➞ [('D', 1), ('B', 2), ('C', 3)]

{'likes': 2, 'dislikes': 3, 'followers': 10} ➞ [('likes', 2), ('dislikes', 3), ('followers', 10)]

1. def mapping(in\_list):

out\_dict = {}

for ele in in\_list:

out\_dict[ele] = ele.upper()

print(f'{in\_list} ➞ {out\_dict}')

mapping(["p", "s"])

mapping(["a", "b", "c"])

mapping(["a", "v", "y", "z"])

Output:

['p', 's'] ➞ {'p': 'P', 's': 'S'}

['a', 'b', 'c'] ➞ {'a': 'A', 'b': 'B', 'c': 'C'}

['a', 'v', 'y', 'z'] ➞ {'a': 'A', 'v': 'V', 'y': 'Y', 'z': 'Z'}

1. def vow\_replace(in\_string,vow\_char):

vowels = ['a','e','i','o','u']

out\_string = ''

for ele in in\_string:

if ele in vowels:

out\_string += vow\_char

else:

out\_string += ele

print(f'{in\_string} ➞ {out\_string}')

vow\_replace("apples and bananas", "u")

vow\_replace("cheese casserole", "o")

vow\_replace("stuffed jalapeno poppers", "e")

Output:

apples and bananas ➞ upplus und bununus

cheese casserole ➞ chooso cossorolo

stuffed jalapeno poppers ➞ steffed jelepene peppers

1. def ascii\_capitalize(in\_string):

out\_string = ''

for ele in in\_string.lower():

if (ord(ele)%2 == 0):

out\_string += ele.upper()

else:

out\_string += ele

print(f'{in\_string} ➞ {out\_string}')

ascii\_capitalize("to be or not to be!")

ascii\_capitalize("THE LITTLE MERMAID")

ascii\_capitalize("Oh what a beautiful morning.")

Output:

to be or not to be! ➞ To Be oR NoT To Be!

THE LITTLE MERMAID ➞ THe LiTTLe meRmaiD

Oh what a beautiful morning. ➞ oH wHaT a BeauTiFuL moRNiNg.