# Number 1

inventory = {

'gold' : 500,

'pouch' : ['flint', 'twine', 'gemstone'],

'backpack' : ['xylophone','dagger', 'bedroll','bread loaf']

}

inventory['pocket'] = ['seashell','strange berry','lint']

print(inventory)

lst = inventory['backpack']

lst.sort()

print(lst)

lst.remove('dagger')

print(lst)

newgold = inventory['gold']

newgold += 50

inventory['gold'] = newgold

# The 'gold' is added by 50

print(inventory)

# Number 2

prices = {

"banana" : 4,

"apple" : 2,

"orange" : 1.5,

"pear" : 3

}

stock = {

"banana" : 3,

"apple" : 2,

"orange" : 2,

"pear" : 1

}

for key in prices:

print(key,'\n'+'price:',str(prices[key])+'\n'+'stock:','0')

def getrevenue(stuff):

total = 0

for i in stuff:

rev = prices[i] \* stock[i]

total += rev

return total

print('Total:',getrevenue(prices))

# Number 3

groceries = ["banana", "orange", "apple"]

stock = {

"banana": 6,

"apple": 0,

"orange": 32,

"pear": 15

}

prices = {

"banana": 4,

"apple": 2,

"orange": 1.5,

"pear": 3

}

def compute\_bill(food):

total = 0

for i in food:

total += prices[i]

print('Total is:',total)

compute\_bill(groceries)

def compute\_bill(food):

total = 0

for i in food:

if stock[i] > 0:

total += prices[i]

newstock = stock[i] - 1

stock[i] = newstock

else:

continue

print('Total is:', total)

print(stock)

compute\_bill(groceries)

# Number 4

eren = {

"name" : "Eren",

"homework" : [],

"quizzes" : [],

"tests" : []

}

mikasa = {

"name" : "Mikasa",

"homework" : [],

"quizzes" : [],

"tests" : []

}

armin = {

"name": "Armin",

"homework": [],

"quizzes": [],

"tests": []

}

eren = {

"name": "Eren",

"homework": [90.0,97.0,75.0,92.0],

"quizzes": [88.0,40.0,94.0],

"tests": [75.0,90.0]

}

mikasa = {

"name": "Mikasa",

"homework": [100.0, 92.0, 98.0, 100.0],

"quizzes": [82.0, 83.0, 91.0],

"tests": [89.0, 97.0]

}

armin = {

"name": "Armin",

"homework": [0.0, 87.0, 75.0, 22.0],

"quizzes": [0.0, 75.0, 78.0],

"tests": [100.0, 100.0]

}

lst = [eren, mikasa, armin]

for i in lst:

print(i["name"])

print(i["homework"])

print(i["quizzes"])

print(i["tests"])

print('------')

def average(numbers):

total = sum(numbers)

total = float(total)

average = total / len(numbers)

return average

def get\_average(student):

ah = average(student["homework"])

aq = average(student["quizzes"])

at = average(student["tests"])

tah = ah \* 0.1

taq = aq \* 0.3

tat = at \* 0.6

res = tah + taq + tat

return res

def get\_letter\_grade(score):

s = get\_average(score)

if s >= 90:

return "A"

elif s >= 80:

return "B"

elif s >= 70:

return "C"

elif s >= 60:

return "D"

else:

return "F"

print(get\_letter\_grade(eren))

def get\_class\_average(students):

results = []

for x in students:

w = get\_average(x)

results.append(w)

return results

print(get\_class\_average(lst))

r = []

for e in lst:

y = get\_letter\_grade(e)

r.append(y)

print(r)