**Serious 1**

inventory = {

"gold" : 500,

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

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

}

key = "poket"

inventory[key] = ["seashell","strangberry","lint"]

inventory["backpack"].remove("dagger")

inventory["gold"] += 50

print(inventory)

Serious 2:  
prices = {

"banana": 4,

"apple": 2,

"orange": 1.5,

"pear": 3

}

stock = {

"banana" : 6,

"apple" : 0,

"orange":32,

"pear" : 15,

}

for k,v in prices.items():

print(k)

print("prices",v)

s = stock[k]

print("stock",s)

total = 0

for k,v in prices.items():

print(k)

s = stock[k]

total += v\*s

print("Tong so tien neu ban het la:",total)

Exercise 3:

quiz = {

"stimulus":"Anwser the following algebra question:",

"stem" : "If x = 8, then what is the value of 4.(x+3)?",

"choices" : ["1:35", "2:36", "3:40", "4:44"],

"right choice":4,

}

print(quiz["stimulus"])

print(quiz["stem"])

for i in quiz["choices"]:

print(i)

while True:

a = int(input("Your choice?"))

if a == quiz[("right choice")]:

print("Bingo")

break

if a > 4:

print("The answer from 1 to 4")

if a < 1:

print("The answer from 1 to 4")

else:

print("wrong :(")

Exercise 4:

quiz1 = {

"stimulus":"Answer the following algebra questions:",

"stem":"If x = 8, then what is the value of 4(x+3)?",

"choices":["1.35","2.36","3.40","4.44"],

"right choice": 4,

}

quiz2 = {

"stimulus":"Estimate this answer (exact calculation not needed):",

"stem":"Jack scored these marks in 5 math tests: 49, 81, 72, 66 and 52. What is the mean?",

"choices":["1.About 55","2.About 65","3.About 75","4.About 85"],

"right choice": 2,

}

quiz = []

quiz.append(quiz1)

quiz.append(quiz2)

right\_choice = 0

for i in range(len(quiz)):

print(quiz[i]["stimulus"])

print(quiz[i]["stem"])

print(\*quiz[i]["choices"], sep='\n')

answer = input("Your choice?")

if answer.isdigit():

answer= int(answer)

if answer == quiz[i]["right choice"]:

print("Correct")

right\_choice += 1

else:

print("Wrong")

print("You correctly answer",right\_choice,"out of", len(quiz),"question")

Study 1

import collections

user\_string = input("Enter a sentence:")

letter\_list = list(user\_string)

dictionary = {}

# collections.Counter()

dictionary = collections.Counter(letter\_list)

for k,v in dictionary.items():

print(k,v)