Tema Vacanta easy mode

import random

#Ex 1

mamifere = ['maimuta', 'foca', 'lup', 'hamster', 'bivol']

reptile = ['guster', 'cameleon', 'crocodil', 'soparla', 'testoasa']

pasari = ['porumbel', 'vultur', 'cocor', 'vrabie', 'acvila']

mamifere.sort()

reptile.sort()

pasari.sort()

mamifere\_r = ['lovib', 'acof', 'retsmah', 'pul', 'atumiam']

reptile\_r = ['noelemac', 'lidocorc', 'retsug', 'alrapos', 'asaotset']

pasari\_r = ['alivca', 'rococ', 'lebmurop', 'eibarv', 'rutluv']

total\_chars\_mamifere\_r = sum(len(x) for x in mamifere\_r)

total\_chars\_reptile\_r = sum(len(x) for x in reptile\_r)

total\_chars\_pasari\_r = sum(len(x) for x in pasari\_r)

if total\_chars\_mamifere\_r > total\_chars\_reptile\_r and total\_chars\_pasari\_r:

print('Cele mai multe caractere se afla in lista mamifere\_r si anume', total\_chars\_mamifere\_r)

elif total\_chars\_reptile\_r > total\_chars\_mamifere\_r and total\_chars\_pasari\_r:

print('Cele mai multe caractere se afla in lista reptile\_r si anume', total\_chars\_reptile\_r)

else:

print('Cele mai multe caractere se afla in lista pasari\_r si anume', total\_chars\_pasari\_r)

mamifere\_r[1] = 'I am an intruder'

reptile\_r[1] = 'I am an intruder'

pasari\_r[1] = 'I am an intruder'

random.shuffle(mamifere\_r)

print(mamifere\_r)

for x in mamifere\_r:

if x == 'I am an intruder':

print(f'Pozitia intruderului este', mamifere\_r.index(x))

mamifere\_r.remove(x)

print('The intruder was kicked out')

print(mamifere\_r)

#Ex 2

class Animal:

def \_\_init\_\_(self, name, age, speed, eyes\_color):

self.name = name

self.age = age

self.speed = speed

self.eyes\_color = eyes\_color

def myself(self):

print(f'My name is {self.name}, I am {self.age} and I run with {self.speed} per hour.')

def myeyes(self):

print(f'My eyes are {self.eyes\_color}.')

class Tiger(Animal):

def \_\_init\_\_(self, name, age, speed, eyes\_color):

super().\_\_init\_\_(name, age, speed, eyes\_color)

def roar(self):

print('Roaaaar!')

class Bear(Animal):

def \_\_init\_\_(self, name, age, speed, eyes\_color):

super().\_\_init\_\_(name, age, speed, eyes\_color)

def growl(self):

print('Growwwl!')

class Monkey(Animal):

def \_\_init\_\_(self, name, age, speed, eyes\_color):

super().\_\_init\_\_(name, age, speed, eyes\_color)

def grunt(self):

print('Grrrrrrr!')

#Ex 3

word = input('Introdu un cuvant de la tastatura: ')

print(f'Lungimea cuvantului este de {len(word)} caractere.')

count\_vowels = 0

count\_consonants = 0

for x in word:

x = x.lower()

if x == 'a' or x == 'e' or x == 'i' or x == 'o' or x == 'u':

count\_vowels += 1

else:

count\_consonants += 1

print(f'Cuvantul contine {count\_vowels} vocale.')

print(f'Cuvantul contine {count\_consonants} consoane.')

if x.isdigit():

print('Cuvantul contine cel putin o cifra.')

else:

print('Cuvantul nu contine nici o cifra.')

#Ex 4

my\_lib = {

'La Bunica' : ['Ion Durcu', 68, 'disponibila'],

'Capitanul Nemo' : ['Jules Verne', 408, 'disponibila'],

'Mintea sanatoasa' : ['Joe Dispenza', 370, 'indisponibila'],

'Masini de vis' : ['Andy Zravitski', 131, 'indisponibila'],

'La Medeleni' : ['Ionel Teodoreanu', 82, 'disponibila']

}

def adauga\_carte(carte, autor, nr\_pagini, disponibilitate):

return my\_lib.update({carte: [autor, nr\_pagini, disponibilitate]})

adauga\_carte('Ion', 'Andy K', 44, 'indisponibila')

print(my\_lib)

def sterge\_carte(carte):

return my\_lib.pop(carte)

sterge\_carte('Ion')

print(my\_lib)

def verifica\_carte(carte):

if 'disponibila' in my\_lib[carte]:

print('Aceasta carte este deja disponibila.')

else:

print('Aceasta carte nu este disponibila.')

verifica\_carte('La Medeleni')

print(my\_lib)

#Ex 5

lista\_rezervari = []

def rezervare\_restaurant():

print('=== "Welcome to our chinese restaurant Yamy-Yan!" ===')

intreb\_clientul = input('Do you want to make a reservation ? ')

if intreb\_clientul == 'no':

print('Maybe next time! Have a nice day!')

elif intreb\_clientul == 'yes':

rezervare\_nume = input('Enter a name: ')

rezervare\_date = input('Enter date: ')

rezervare\_ora = input('Enter an hour: ')

rezervare\_nr\_pers = input('Enter number of persons: ')

print(f'Reservation was created on the name {rezervare\_nume}, on {rezervare\_date}, at {rezervare\_ora} for {rezervare\_nr\_pers} persons.')

lista\_rezervari.append(f'Reservation was created on the name {rezervare\_nume}, on {rezervare\_date}, at {rezervare\_ora} for {rezervare\_nr\_pers} persons.')

rezervare\_restaurant()

def vezi\_lista\_rezervari():

rezervare\_restaurant()

return lista\_rezervari

vezi\_lista\_rezervari()

vezi\_lista\_rezervari()

print(lista\_rezervari)