Homework algorithm

Exercise1 Monday

Word=str(input())

def containsOnA(word):

for n in range(len(word)):

if word [n]==”A”:

return True

else:

return Fase

Exercise2 Monday

def getFirstName(“text”):

number=0

for i in range(len(text)):

if text[i]==”;”:

number=number+i

for n in range(number):

getFirstName=getFirstName =text[n]

def getLastName(text):

for k in range(number+1):

getLastName=getLastName+text[k]

world=input(“enter a text:”)

print(“first name:”+getfirstname(world))

print(“last name:”+getlastneme(world))

* Exercise Tuesday

def isInteger(text):

for n in range(len(text)):

condition=text[n]

if condition>=0 and condition<=9:

return True

else:

return Fase

def isValueInRange(value, min, max):

if value >min and value>max:

print(value)

elif min>max and min>value:

print(min)

elif max>value and max>min:

print(max)

def isValueInRange(value, min, max):

if value <min and value<max:

print(value)

elif min<max and min<value:

print(min)

elif max<value and max<min:

print(max)

valueText = input("Enter the value : ")

minText = input("Enter the min : ")

maxText = input("Enter the max : ")

if isInteger(valueText) and isInteger(minText) and isInteger(minText):

value = int(valueText)

min = int(minText)

max = int(maxText)

if isValueInRange(value, min, max):

print("Correct value")

else:

print("Error : value " + valueText +

" is not in range " + minText + ", " + maxText)

else:

print("Error : value, min, max should be numbers")

* Exercise Wednesday

text=input()

isGood=Fase

index=0

result=””

def getDotIndex(result):

return getDotIndex

def decimal (result):

return decimal

for n in range(len(text)):

if text[n]==”.”:

isGood=True

index=n

else:

return -1

if isGood:

getDotIndex=text[0:index]

decimal=text[index+1:]

print(getDotIndex(text))

print (decimal(text)

* Exercise Thursday

def getPoplation(“country”):

for n in range(len(country)):

if China:

print(1,439,323,776)

elif India:

print(1,380,004,385)

elif USA:

print(331,002,651)

elif Indonesia:

print(273,523,615)

elif Pakistan:

print(220,892,340)

else:

print(“-1”)

string=input(­­)

print(getPopulation(string))

* Exercise1 Friday

def factorial(number):

num=1

for n in range(num,number+1):

num=num\*n

return result

index=int(input())

print(factorial(index))