# Work 1

Name = input("Enter your name :")

Surname = input ("Enter your surname :")

Age = int(input ("Enter your age :"))

print("My name\'s",Name)

print("My surname\'s",Surname)

print("I\'ll finish undergraduate in",Age+4,"years old")

# Type last 4 integer number line by line Program

Number = int(input("Enter integer number : "))

#Calculation

Number = Number%10000 #for choose only last 4 number.

First = Number//1000

Second = (Number%1000)//100

Third = (Number%1000%100)//10

Fourth = (Number%1000%100%10)//1

#Text array

msg = str(First) + "\n" + str(Second) +"\n" + str(Third) + "\n" + str(Fourth)

#OUTPUT

print(msg)

# หา Future Value

Amount = int(input("Enter amount : "))

Rate = float(input("Enter rate : "))

Years = int(input("Enter year : "))

Rate /= 100

i = 1

while i <= Years: #i คือจำนวนปีที่เพิ่มขึ้นเรื่อยๆ

FV = Amount \* (1 + Rate) \*\* i

print(i," Years =",round(FV,2))

if i < Years:

i += 1

if i == Years:

FV = Amount \* (1 + Rate) \*\* i

print(i,"Years =",round(FV,2))

break

print ("Welcome to Electricity Current(I) Finder Program")

# Input module

E = float(input("Enter E: "))

R1 = float(input("Enter R1: "))

R2 = float(input("Enter R2: "))

R3 = float(input("Enter R3: "))

# Calc module (Calculate module)

R = R1+R2+R3

I = E/R

# Print module

print (f'R = {R:.2f} Ω')

print (f'I = {I:.2f} A')

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print ('Welcome to + - \* / Program')

#Input module

num1 = float(input("Enter num 1: "))

num2 = float(input("Enter num 2: "))

#Calc module

#behind the = is where the calculate happen

add = (f'{num1:,.2f} + {num2:,.2f} = {num1+num2:,.2f}')

minus = (f'{num1:,.2f} - {num2:,.2f} = {num1-num2:,.2f}')

mult = (f'{num1:,.2f} x {num2:,.2f} = {num1\*num2:,.2f}')

divide = (f'{num1:,.2f} ÷ {num2:,.2f} = {num1/num2:,.2f}')

#Print module

print("-------------------------------------------------")

print(add)

print(minus)

print(mult)

print(divide)

print("-------------------------------------------------")

import math

print ("Welcome to House & Building paint Calculate fund Program")

# Read module #####

print ("Note: for 4 side house")

width = float(input("Enter Width(meter): "))

length = float(input("Enter Length(meter): "))

height = float(input("Enter Height(meter): "))

bucketPrice = float(input("Enter interior paint price: "))

# Calc module #####

area = (width\*height)\*2 + (length\*height)\*2

bucket = math.ceil(area / 4)

amount = bucket\*bucketPrice

# print module

print ("---------------------------------------------")

print (f'Area of painted: {area} meter')

print (f'A bucket of paint need: ')

print (f'{bucket} bucket = {amount:,.2f} Baht ')

print ("---------------------------------------------")

# Ex1

Run = True

while (Run == True):

numMax = 0

num = input("Enter integer number (0-Exit): ")

if(num != '0' ):

for n in num:

if int(n) > numMax:

numMax = int(n)

print(f'Maximum digit number = {numMax}')

else:

Run = False

print("Exit Program")

# Ex2

print(">> Program Find Maximum Value <<")

num = int(input("Enter number of value (3-10): "))

numCount = 1

numMax = 0

enterNumber = ''

if (num < 3):

num = 3

elif (num > 10):

num = 10

while num!=0:

inputNum = int(input(f'Enter num value #{numCount}: '))

if (inputNum > numMax):

numMax = inputNum

if (numCount == 1):

enterNumber = enterNumber + str(inputNum)

else:

enterNumber = enterNumber + ' ,' + str(inputNum)

num = num - 1

numCount = numCount + 1

print (f'Your enter number: {enterNumber}')

print (f'Maximum Value number is {numMax}')

# Ex3

print (" >> Program Palindrome Number << ")

Run = True

startNum = 0

lastNum = -1

num = input("Enter integer number: ")

numCheck = int(len(num)/2) + 1

if(len(num)%2 == 0):

while(Run == True):

if (num[startNum] == num[lastNum]):

print(f'Digit {num[startNum]} equal to Digit {num[lastNum]}')

numCheck -= 1

if (numCheck == 1):

Run = False

print(f'Your enter number {num} is Palindrome Number.')

elif (num[startNum] != num[lastNum]):

print(f'Digit {num[startNum]} not equal to Digit {num[lastNum]}')

Run = False

print(f'Your enter number {num} is not Palindrome Number.')

startNum += 1

lastNum -= 1

else:

while(Run == True):

if(numCheck == 1):

print(f'Digit {num[startNum]} has no pair.')

print(f'Your enter number {num} is not Palindrome Number.')

Run = False

elif (num[startNum] == num[lastNum]):

print(f'Digit {num[startNum]} equal to Digit {num[lastNum]}')

numCheck -= 1

elif (num[startNum] != num[lastNum]):

print(f'Digit {num[startNum]} not equal to Digit {num[lastNum]}')

Run = False

print(f'Your enter number {num} is not Palindrome Number.')

startNum += 1

lastNum -= 1

# Ex4

import random

num = random.randint(1,99)

Run = True

print(">> Guess The Number!! <<")

while(Run == True):

inputNum = int(input('Enter the number you guess: '))

if(inputNum > num):

print(f'{inputNum} is too much!')

elif(inputNum < num):

print(f'{inputNum} is too little!')

else:

print(f'Correct!!, The number I random is: {num}')

Run = False

# Ex5

print (">> Program Change Number to Text <<")

text = ' '

num = input("Enter integer number: ")

for s in num:

if(s == '1'):

text = text + ' One'

elif(s == '2'):

text = text + ' Two'

elif(s == '3'):

text = text + ' Three'

elif(s == '4'):

text = text + ' Four'

elif(s == '5'):

text = text + ' Five'

elif(s == '6'):

text = text + ' Six'

elif(s == '7'):

text = text + ' Seven'

elif(s == '8'):

text = text + ' Eight'

elif(s == '9'):

text = text + ' Nine'

elif(s == '0'):

text = text + ' Zero'

print(f'Number: {num}')

print(f'Text: {text}')

print("Exit Program")