LAB 5

TASK 1

def sumDigits(a):

summ = 0

while a>0:

digit = a%10

summ +=digit

a = a//10

return summ

def main():

x = 123

print("Sum of digits is",sumDigits(x))

main()

TASK 2

def displaySortedNumbers(num1,num2,num3):

if num1<num2<num3:

print(num1,num2,num3)

elif num1>num2>num3:

print(num3,num2,num1)

elif num2>num1>num3:

print(num3,num1,num2)

elif num2>num3>num1:

print(num1,num3,num2)

def main():

num1 = int(input("enter a number : "))

num2 = int(input("enter a number : "))

num3 = int(input("enter a number : "))

displaySortedNumbers(num1,num2,num3)

main()

TASK 3

def reverse(number):

a=number[::-1]

print(a)

number = input("Enter an integer : ")

reverse(number)

TASK 4

def ispalindrome(number):

return number==number[::-1]

print(number)

number = (input("Enter an integer : "))

a = ispalindrome(number)

if a:

print("yes")

else:

print("no")

TASK 5

def numberOfDaysInAYear(year):

for i in range(2010,year+1):

if i%4==0 and i%100!=0 or i%400==0:

print(f"{i} Days:366")

else:

print(f"{i} Days:365")

def main():

numberOfDaysInAYear(2020)

main()

TASK 6

def convertMilli(millis):

c = millis\*(2.778)\*(10\*\*-7)

d = c-int(c)

z = d\*60

f = int(c)\*60\*60

e = int(z)\*60

l = e + f

a = (millis\*0.001)

q = int(a)-l

print("number of hours in milliseconds are",int(c))

print("number of mintes in milliseconds are",int(z))

print("number of seconds in milliseconds are",int(q))

def main():

millis=int(input("Enter millisecods : "))

convertMilli(millis)

main()