Solution 1:

def digitsum(a):

re=0

digit=str(a)

for i in range (len(digit)):

re+=int(digit[i])

return re

b=1

while b!=0:

a=int(input("enter number \n"))

if(a is int ):

print("Enter valid input:\n")

continue

else:

b=0

print("Sum of Digits of given number is :\n",digitsum(a))

Solution 2:

def leap(a):

re=0

if(a%4==0 and a%400==0 or a%100!=0):

return "Leap year"

else :

return "Not Leap Year"

a=int(input("Enter Year \n"))

print(leap(a))

Solution 3

def fah(c):

ft=((9/5) \* c)+32

return ft

def cel(f):

ct=(f-32)\*(5/9)

return ct

ch=int(input("Enter Your choice :\n 1 to convert °c to °f\n 2 to convert °f to °c\n"))

if(ch==1) :

a=eval(input("Enter temperatue :\t"))

print(fah(a))

else:

b=eval(input("Enter Temperature:\t"))

print(cel(b))