**Iterating Sum**

Students Name

Instructor

Course

Institution

Date

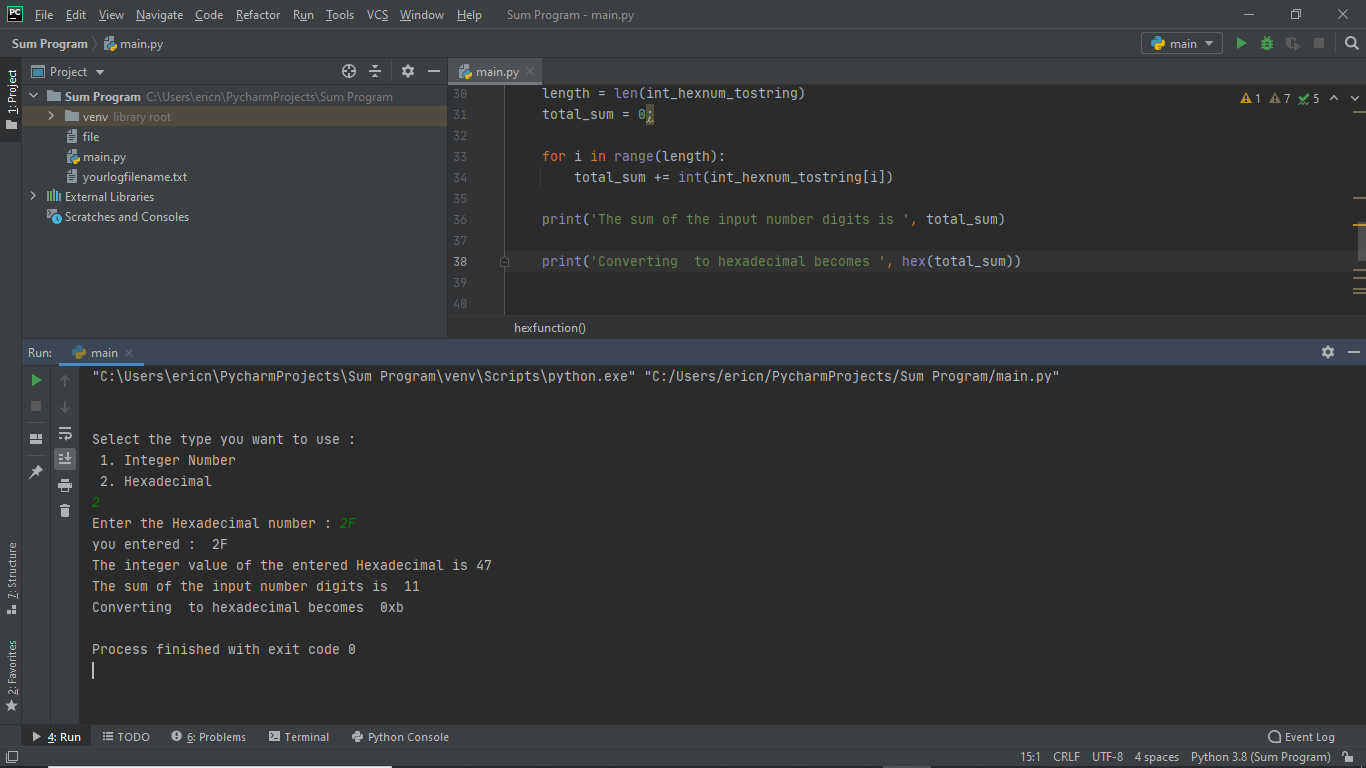
**Code:**

from pip.\_vendor.distlib.compat import raw\_input  
  
  
def intfunction():  
 temp = input('Enter the integer to be iterated ')  
 length = len(temp)  
  
 print('you entered ', temp + 'length : ', length)  
  
 total\_sum = 0  
  
 print('the length of the number entered is ', length)  
  
 for i in range(length):  
 total\_sum += int(temp[i])  
  
 print('The sum of the input number digits is ', total\_sum)  
  
  
def hexfunction():  
 string\_hexnum = raw\_input('Enter the Hexadecimal number : ')  
 print('you entered : ', string\_hexnum)  
  
 int\_hexnum = int(string\_hexnum,16)  
  
 print('The integer value of the entered Hexadecimal is', int\_hexnum)  
  
 int\_hexnum\_tostring = str(int\_hexnum)  
  
 length = len(int\_hexnum\_tostring)  
 total\_sum = 0;  
  
 for i in range(length):  
 total\_sum += int(int\_hexnum\_tostring[i])  
  
 print('The sum of the input number digits is ', total\_sum)  
  
 print('Converting to hexadecimal becomes ', hex(total\_sum))  
  
  
  
  
type\_of = int(input('\n\nSelect the type you want to use : \n 1. Integer Number \n 2. Hexadecimal \n'))  
  
if(type\_of == 1):  
 intfunction()  
  
elif(type\_of == 2):  
 hexfunction()

ATTACHED IMAGES

1. OUTPUT FOR HEXADECIMAL

A



1. OUTPUT FOR AN INTEGER