2810ICT Week1 PythonLab

15. Write a function that given a list length 1 or more of integers, print the difference between the largest and smallest values in the list.

Input: 10 3 5 6   
Output: 7   
Input: 7 2 10 9   
Output: 8   
Input: 2 10 7 2   
Output: 8

Solution:

nums = input("input a list of numbers separated by space: ")  
  
numlist = []  
  
for a in nums.split():  
 numlist.append(int(a))  
  
numlist.sort()  
difference = int(numlist[-1] - numlist[0])  
  
print(difference)