Assignment 11

1. Create a program that asks the user for a single line of text containing a first name and last name, such as Firstname Lastname. Use string functions/methods to parse the line and print out the name in the form last name, first initial, such as Lastname, F. Include a trailing period after the first initial. Handle invalid input errors, such as extra spaces or missing name parts.

def parse\_name(name):  
 first\_name, last\_name = name.split(**' '**, 1)  
 first\_initial = re.search(**"^[A-Z.]+"**, first\_name).group()  
 if not first\_initial.endswith(**"."**):  
 first\_initial += **"."** return {**"FirstName"**: first\_name,  
 **"FirstInitial"**: first\_initial,  
 **"LastName"**: last\_name}

1. Create a program that asks the user for a line of comma-separated-values. It could be a sequence of test scores, names, or any other values. Use string functions/methods to parse the line and print out each item on a separate line. Remove commas and any leading or trailing spaces from each item when printed.

*# Python program to take a comma  
# separated string as input  
  
  
# Taking input when the numbers  
# of input are known and storing  
# in different variables  
  
# Taking 2 inputs*a, b = [int(x) for x in input(**"Enter two values**\n**"**).split(**', '**)]  
print(**"**\n**The value of a is {} and b is {}"**.format(a, b))  
  
*# Taking 3 inputs*a, b, c = [int(x) for x in input(**"Enter three values**\n**"**).split(**', '**)]  
print(**"**\n**The value of a is {}, b is {} and c is {}"**.format(a, b, c))  
  
*# Taking multiple inputs*L = [int(x) for x in input(**"Enter multiple values**\n**"**).split(**', '**)]  
print(**"**\n**The values of input are"**, L)