Homework #3

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#Example 1
#Input:
First String    Second      1.22      3.4
Second          More Text   1.555555  2.2220
Third           x           3         124
#Find:\s{2,}
#Replace:,
#Reason: to find consecutive single spaces that are 2 or more characters and
replace with , to match the .csv file. Needed this way so the single space
between "First string is not detected
#Result:
First String,Second,1.22,3.4
Second,More Text,1.555555,2.2220
Third,x,3,124

#Example 2
#Input:
Ballif, Bryan, University of Vermont
Ellison, Aaron, Harvard Forest
Record, Sydne, Bryn Mawr
#Find: (\w*),\s(\w*),\s(.*)
#Replace:\2 \1 \(\3\)
#Reason: (\w*) capture the first word, and followed by \s(\w*) finds the
first word comma and second word. \s(.*) will indicate all the rest
(university name). On replace the order matches the desired organization
bringing the second capture to be first and the first capture to second
position while the third is added parentheses.
#Result:
Bryan Ballif (University of Vermont)
Aaron Ellison (Harvard Forest)
Sydne Record (Bryn Mawr)

#Example 3
#Input:
0001 Georgia Horseshoe.mp3 0002 Billy In The Lowground.mp3 0003 Winder Slide.mp3 0004 Walking Cane.mp3
#Find:.mp3\s
#Replace:.mp3\n
#Reason:Indicated to find mp3 and space (.mp3\s) since that is the end of
each line. In turn indicated to the place a line break at this point so each
new line start after .mp3
#Result:
0001 Georgia Horseshoe.mp3
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0002 Billy In The Lowground.mp3
0003 Winder Slide.mp3
0004 Walking Cane.mp3

#Example 4
#Input:
0001 Georgia Horseshoe.mp3
0002 Billy In The Lowground.mp3
0003 Winder Slide.mp3
0004 Walking Cane.mp3
#Find:(\d{4}) (\w*) (\w+)
#Replace: (\2) (\3) (_\1)(\4)
#Reason: with (\d{4}) I‘m marking the 4 digit sequence as the first item of capture. Followed byt the f
#Result:
Georgia Horseshoe _0001.mp3
Billy In _The Lowground _0002.mp3
Winder Slide _0003.mp3
Walking Cane _0004.mp3



#Example 5
#Input:
Camponotus,pennsylvanicus,10.2,44
Camponotus,herculeanus,10.5,3
Myrmica,punctiventris,12.2,4
Lasius,neoniger,3.3,55
#Find: (\w)(\w+),(\w+),(\d{1,}).(\d),(\d{1,})
#Replace:\1_\3,6
#Reason:Using the first part (\w)(\w+), captures genus with (\w) marking the first letter that will be
#Result:
C_pennsylvanicus,44
C_herculeanus,3
M_punctiventris,4
L_neoniger,55

#Example 6
#Input:
Camponotus,pennsylvanicus,10.2,44
Camponotus,herculeanus,10.5,3
Myrmica,punctiventris,12.2,4
Lasius,neoniger,3.3,55
#Find:(\w)(\w+),(\w{4})(\w+),(\d{1,}).(\d),(\d{1,})
#Replace:\1_\3,\7
#Reason:Using the first part (\w)(\w+), captures genus with (\w) marking the first letter that will be
#Result:
C_penn,44
C_herc,3
M_punc,4
L_neon,55

#Example 7
#Input:
Camponotus,pennsylvanicus,10.2,44
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Camponotus,herculeanus,10.5,3
Myrmica,punctiventris,12.2,4
Lasius,neoniger,3.3,55
#Find:(\w{3})(\w+),(\w{3})(\w+),(\d{1,}).(\d),(\d{1,})
#Replace:\1\3, \7, \5.\6
#Reason:To capture only the first 3 letters of the genus used (\w{3}) which will be position 1 and (w+)
#Result:
Campen, 44, 10.2
Camher, 3, 10.5
Myrpun, 4, 12.2
Lasneo, 55, 3.3

#Example 8
#Input:
#Find:
#Replace:
#Reason:
#Result:
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