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COMSC 140 Python

Program Documentation for As5\_4\_Lambda\_Function\_Strip\_Whitespace

1/ Link  
<https://github.com/DVC-COMSC/assignment-5-4-enduringwriter/blob/main/main.py>

2/ Program Purpose  
This program defines a lambda function to check for whitespace characters (‘ ’, \n, \t) and uses it to strip whitespace characters from a given string.

Assumption:

3/ Input/Output Description  
Input: A string with possible whitespace characters as described above.  
Output: A string with whitespace characters removed.

4/ Explanation of All Variables  
items\_to\_check = list of whitespace characters: ‘’, \n, \t

isspace = Lambda function that checks if a character is a whitespace character (space, tab, newline).  
strval = Input string.  
strip = Final string with all whitespace characters removed.

5/ Flow Chart  
Start > Define list of whitespace characters > Define lambda function isspace > Utilize function mystrip > Input a string > Loop through each element (word in the string) and use isspace to check for whitespace > Concatenate non-whitespace characters to the strip string > Output the final string, ‘strip’ > End.

6/ Lesson Learned  
Use lambda function and calling a function within a function.

7/ Errors

Had incorrectly used “‘ ’” and fixed it to ‘ ’.