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COMSC 140 Python

Program Documentation for

As7\_4\_Delete\_an\_element\_from\_the\_list

1/ Link  
<https://github.com/DVC-COMSC/assignment-7-4-enduringwriter/blob/main/main.py>

2/ Program Purpose  
This program deletes all occurrences of a specified element from a list.

Assumptions:

3/ Input/Output Description  
Input: list of integers and integer value to be deleted  
Output: modified list without specified value, or output to user that the value to remove was not found.

4/ Explanation of All Variables

numbers = list of integers

value = integer value to be deleted

num = counter for numbers

5/ Flow Chart  
Start > Input a list of integers and the specified value to be deleted > Find all occurrences of the element by using a loop > Delete those occurrences > If value not found in list, try-except handles the ValueError > Output modified list or output to the user the value is not found > End

6/ Lesson Learned  
Learn to handle ValueError exceptions and finding all occurrences of a specified element and removing those occurrrences.

7/ Errors

1/ added continue in if statement to account more than one occurrence.

2/ changed if statement to while loop, which led to ValueError when value was not found in list.

3/ added print statement to complete except clause.