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COMSC 140 Python

Program Documentation for

As7\_5\_Subset\_of\_the\_list

1/ Link

2/ Program Purpose  
This program checks if one list is a subset of another, if the order of the first list is in the same sequence as the second list.

Assumptions: Both lists contain integers and are not empty.

3/ Input/Output Description  
Input: List of integers.  
Output: Boolean value.

4/ Explanation of All Variables

num1 = subset list

num2 = list to be checked against

i, j = counters

is\_subset = Boolean variable of true or false

5/ Flow Chart  
Start > Input 2 lists of integers > Initialize a boolean variable to True > Loop through each element in num1 > Check if each element in num1 list appears in num2 in the same order > If any element is not found or if the order is not preserved, the boolean variable is set to False > Output true/false Boolean value > End

6/ Lesson Learned  
Learned to logic analysis of comparing lists and with Boolean logic.

7/ Errors