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COMSC 140 Python

Program Documentation for As. 5-2 Prime Numbers List

1/ Link  
<https://github.com/DVC-COMSC/assignment-5-2-enduringwriter/blob/main/main.py>

2/ Program Purpose  
This program finds all prime numbers between two given integers and returns them as a list in ascending order.

Assumption: Both inputs are integers and begin is less than or equal to end.

3/ Input/Output Description  
Input: Two integers, beginning and end that specify the range (inclusive).  
Output: A list of prime numbers in ascending order.

4/ Explanation of All Variables  
begin = Starting integer of the range.

End = Ending integer of the range.

Plist = A list that stores the prime numbers found within the specified range.

5/ Flow Chart  
Start > Input two integers begin and end > Assume both inputs are integers and begin is less than or equal to end > Loop through the range, checking if each number is prime > Create a list of all prime numbers > Output the list of prime numbers > End

6/ Lesson Learned  
Call a function within a function.

7/ Errors

Forgot to check for numbers less than 2 as being false because a separate isPrime() function is being used to check for every number whereas in a previous exercise is was excluded by beginning with range(2, …). Also, I didn’t add import math.