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COMSC 140 Python

Program Documentation for As5\_5\_Alphanum\_Extractor\_using\_Yield

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

2/ Program Purpose  
This program extracts alphanumeric characters from a given string using the yield statement.

3/ Input/Output Description  
Input: A string variable.  
Output: An alphanumeric string.

4/ Explanation of All Variables  
strval = Input string.  
getalnum = The final alphanumeric character string using yield.

5/ Flow Chart  
Start > Define generator function getalnum > Get input string > Loop through each character and check if it is alphanumeric using isalnum() > Yield alphanumeric characters while iterating the loop > Print final string output > End.

6/ Lesson Learned  
Use yield to iterate in a loop to extract alphanumeric characters.

7/ Errors

Had to add ‘:’ for if statement, and misspelled ‘isalnum’.