Chapter 8 – Acronym

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Instructions:

For this assignment, you will be providing the logic (plan) for the following program:

For this program you will get a phrase from the user, split the phrase into a list, and use the first letter of each word to create an acronym. Display the acronym using all capital letters.

Data:

Functions:

* Main():
  + Variables / User input
    - Phrase: String input from user
* convertToAcronym(phrase): receives user’s phrase and returns the acronym
  + Variables / User input
    - Acronym\_array: string array. User’s phrase is split into an array
    - Acronym\_string: string, concatenates first letter of each word in the acronym\_array

Processing:

1. Inform user of program’s purpose
2. Ask user for a phrase
3. Call convertToAcronym() to convert the user’s phrase to an acronym
4. Split the user’s string phrase into an array (acronym\_array)
5. Declare empty string
6. Loop through acronym\_array and grab the first character of each word in the array
7. Concatenate those first letters to the acronym\_string
8. Return the acronym\_string and print it to user

Output:

1. Ask user for phrase
2. Display acronym

Example output would be:

This program will take in a phrase and return an acronym.

Please enter a phrase to convert: This is a normal phrase

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