



Pusat Pengajian
Pengkomputeran

SCHOOL OF COMPUTING

Universiti Utara Malaysia

Assignment 3 (20%)

Submission Date: **21st Jan 2021**

STIN 2024: LOGIC PROGRAMMING

Create the below interface using Prolog GUI editor. The interface consists of static, edit and button controls.

Write the Prolog code that will handle the message entered into the edit box.

1. Edit box should be able to accept user's input.
2. Once user input is detected, the program will AUTOMATICALLY calculate:
 - a. Number of characters with spaces and without spaces
 - b. Number of words
 - c. Number of sentences
3. Click on [CLEAR] button will clear the edit box and all values will be reset to 0.
4. Click on [CLOSE] button and [X] on the top right will close the window.

Note:

1. Convert the input into list.
2. Use appropriate list manipulation predicate/strategy to manipulate the list (split the list into Head and Tail).
3. The number of characters with spaces is the length of the list.
4. The number of characters without spaces is the length of the list without spaces.
5. To calculate the number of words, use space character (ASCII code 32) as delimiter.
6. To calculate the number of sentences, use full stop (ASCII code 46) as delimiter.