*Mini Project:* **Multi-purpose MACRO Pre-Processor**

Design a MACRO pre-processor that is suitable for Low-level language (NASM), and High-level languages (C, Python).

***Design Goal:***

Your designed pre-processor should have important features, like,

1. Nested MACRO definitions,
2. Single-line/multi-line definitions,
3. Comments,
4. Conditional Macros, **etc.**

***Special Notes:***

1. The program should not be restricted by number of variables, number of nested levels, number of parameters passed etc.
2. Importantly, implement the feature of variable number of parameter passing, where one can pass any number of elements to a MACRO.

***Coding Instructions:***

1. Write your program in either C, or Python.
2. Maintain proper indentation. Un-indented programs will lose marks.
3. Comment your code properly for each important operations. Uncommented programs will lose marks.

***Submission Guidelines:***

1. Your codes will go through plagiarism check. Marks will reduce depending on the amount of similarity with other programs of your peers or on the internet.
2. Submit example programs along with your code. Submit at least one example for each feature in all the three languages.
3. Further code submission guideline will be notified later.
4. Remember, more features, proper implementation, and proper examples will lead to better evaluation.