Assignment Title: Design of Pass II of Two Pass Macroprocessor.

Aim: Design suitable data structure & implement pass II of Two Pass Macroprocessor.

Objective: Design suitable data structure & implement pass II of Two Pass Macroprocessor. Input should consist of a one macro definition and one macro call and few assembly language instructions.

Theory:

Write about

1. Algorithm for Pass II
2. Data structures required for 2 pass macroprocessor.
3. Flowchart for Pass II.

Input: Assembly Language Program without macro definition, but with macro calls, macro definition table, macro name table & argument list array (from Pass 1 of macro processor)

Output: Expanded assembly language program.

Platform: Linux/Windows (Java)

Conclusion: The function of Pass II in assembler is studied.

FAQ:

Q1. Explain the need of a single pass macro processor.

Q2. Explain nested macro with an example.