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School of Computer Science & Engineering
Department of Computer Engineering & Technology
Final Year BTech
SSCD LabAssignment No 3

Assignment Title: Design of Pass 1 of Two Pass Macroprocessor.

Aim: Design suitable data structure & implement pass 1 of Two Pass Macroprocessor.

Objective: Design suitable data structure & implement pass 1 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. Description about the macroprocessor.
2. Data structures required for 2 pass macroprocessor.
3. Flowchart for Pass I.
4. Algorithm for Pass 1

Input: Assembly Language Program.

Output:

1. Program without Macro Definition (Pass-I)
2. Macro Definition Table (MDT)

Index	MDT- Instruction

3. Macro Name Table (MNT)

Index	Macro Name	MDT- Index

4. Argument List Array (ALA).

Index	Dummy Argument

Conclusion: The function of Pass 1 in a Macro Processor studied.

Platform: Linux (Java)

Conclusion: The function of Pass 1 in assembler is studied along with errors coming in each pass.

Platform: Linux (JAVA)

FAQ's:

1. What are macro instructions defining macros?
2. What are the different types of arguments with macros.