

Assignment No. 3

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Q1) Define macros?

→ A single instruction that a computer automatically reads as a set of instructions to do a particular task.

Q2) Define purpose of Pass-I of two pass macro processor?

→ - Traversing through the source code, it will find macro (if there is any)

- The name of macro will be stored in macro name table along with MDT-index to store occurrences or address of MNT.

- MDT (macro definition table) stores the instruction of macro in it. until EMD comes, then with increment in MNTC (if macro found) will do the same step also incrementing MDTC.

- Then preparing the argument list array i.e. ALA consisting of indexes and arguments.

Q3) List out types of macro arguments?

→ - Positional formal argument
ex. ADDS DATA1, DATA2.

- Keyword argument

ex. ADDS &arg1 = DATA1.

- Default argument

ex. &arg = D1.

Q4) What is use of MDT-index field in MNT?

→ Used to store the index of macros occurring.

Q5) What is stored in ALA?

→ - index

- Formal & Actual arguments are stored in ALA.