

CHAPTER 2

LANGUAGE AND SOFTWARE STORY

(BY -SUKRITI MISHRA)

COMPUTER LANGUAGE

MEDIUM TO
COMMUNICATE WITH
COMPUTER.

CLASSIFICATION OF COMPUTER LANGUAGE

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graph TD; A[CLASSIFICATION OF COMPUTER LANGUAGE] --> B[MACHINE LANGUAGE]; A --> C[ASSEMBLY LANGUAGE]; A --> D[HIGH-LEVEL LANGUAGE]
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MACHINE
LANGUAGE

ASSEMBLY
LANGUAGE

HIGH-
LEVEL
LANGUAGE

MACHINE LANGUAGE

THE ONLY LANGUAGE
WHICH A COMPUTER
CAN UNDERSTAND. IT
USES BINARY
CODES(O'S AND 1'S)

ASSEMBLY LANGUAGE

USES MNEMONIC
CODES INSTEAD OF
BINARY CODES. IT IS
LIKE TWO OR THREE
LETTER
ABBREVIATIONS.

HIGH-LEVEL LANGUAGE

USER

UNDERSTANDABLE
LANGUAGE USED FOR
PROGRAMMING. IT USES
ENGLISH WORDS
INSTEAD OF BINARY
AND MNEMONIC CODES.

COMPUTER SOFTWARE

A SET OF COMPUTER PROGRAMS THAT MAKES A COMPUTER WORK IS CALLED SOFTWARE.

(WITHOUT SOFTWARE A COMPUTER CANNOT WORK)

CLASSIFICATION OF SOFTWARES

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graph TD; A[CLASSIFICATION OF SOFTWARES] --> B[SYSTEM SOFTWARE]; A --> C[APPLICATION SOFTWARE]; A --> D[UTILITIES]
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SYSTEM
SOFTWARE

APPLICATION
SOFTWARE

UTILITIES

SYSTEM SOFTWARE

SYSTEM SOFTWARE IS
USED TO MANAGE THE
WORKING OF
HARDWARE, SOFTWARE
AND OPERATING
SYSTEM. EX. COMPILER

APPLICATION SOFTWARE

APPLICATION SOFTWARE IS
USED TO DO A PARTICULAR
TASK/FOR DIFFERENT
PURPOSES ON A COMPUTER.
EX. TUXPAINT

APPLICATION SOFTWARE



CUSTOM-
MADE



GENERAL
PURPOSE

CUSTOM MADE APPLICATION SOFTWARE

THESE ARE PROGRAMS
DEVELOPED AS PER THE
INDIVIDUAL NEEDS.

GENERAL PURPOSE APPLICATION SOFTWARE

THIS SOFTWARE PROVIDES THE
ENVIRONMENT REQUIRED TO
DEVELOP CUSTOM-MADE
SOFTWARES.

UTILITIES

UTILITY PROGRAM
PERFORMS THE
NECESSARY JOBS IN A
COMPUTER. EX.
BACKUP DATA

Note:-

- *Question/ Answers will be given in next file.
- *Exercises of ch-1 will be given with ch-2 in the next file.