

Basics of C language

Syllabus:

History, Features, C program Structure, C program compilation and execution process.

History:

'C' language was developed by Dennis Ritchie in 1972 at AT & T's Bell Laboratory of USA.
The historical development of 'C' language as follows:

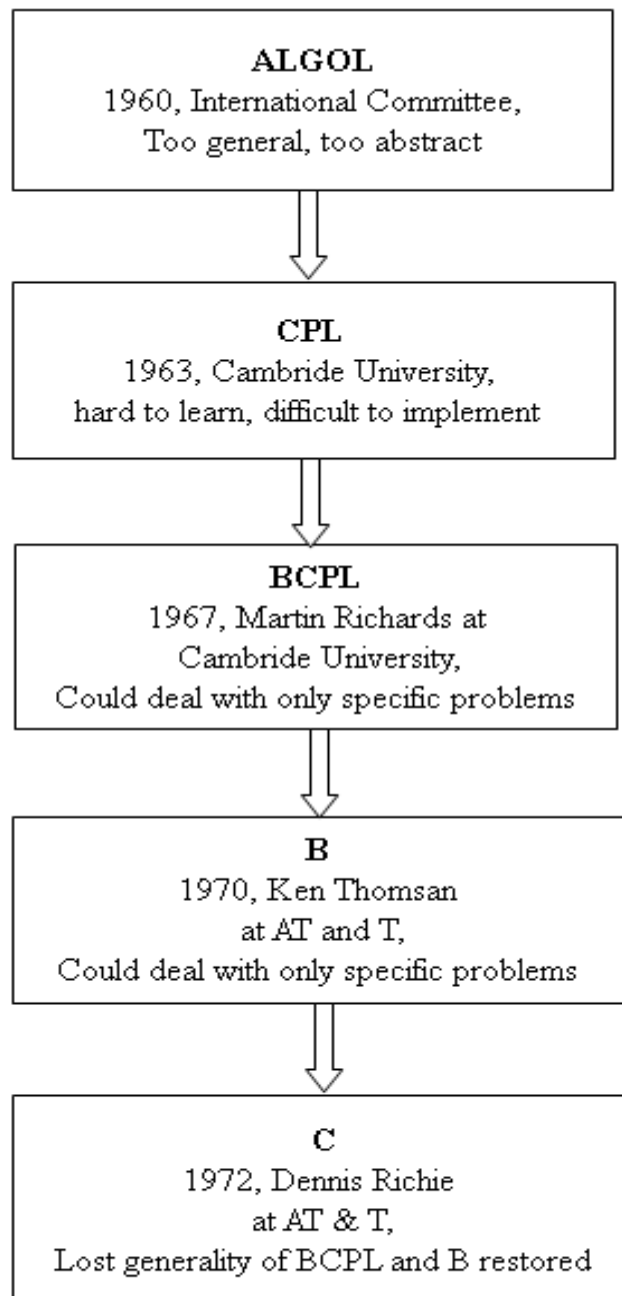


Fig.1. Historical development of C

Features:

1. C is a general purpose programming language used for developing system and application softwares.
2. Powerful
3. Flexible
4. Portable
5. Elegent
6. Structured programming language
7. Contains 32 keywords.
8. C is a blocked structured programming language.
9. Program written in c language and fast and efficient.

C program Structure:

Documentation Section
Header file declaration Section
Global variable declaration Section
Main Function { Local declarative statements Executable code/ statements }
Function Definitions part Function1() { } . . . Function n

C program compilation and execution process:

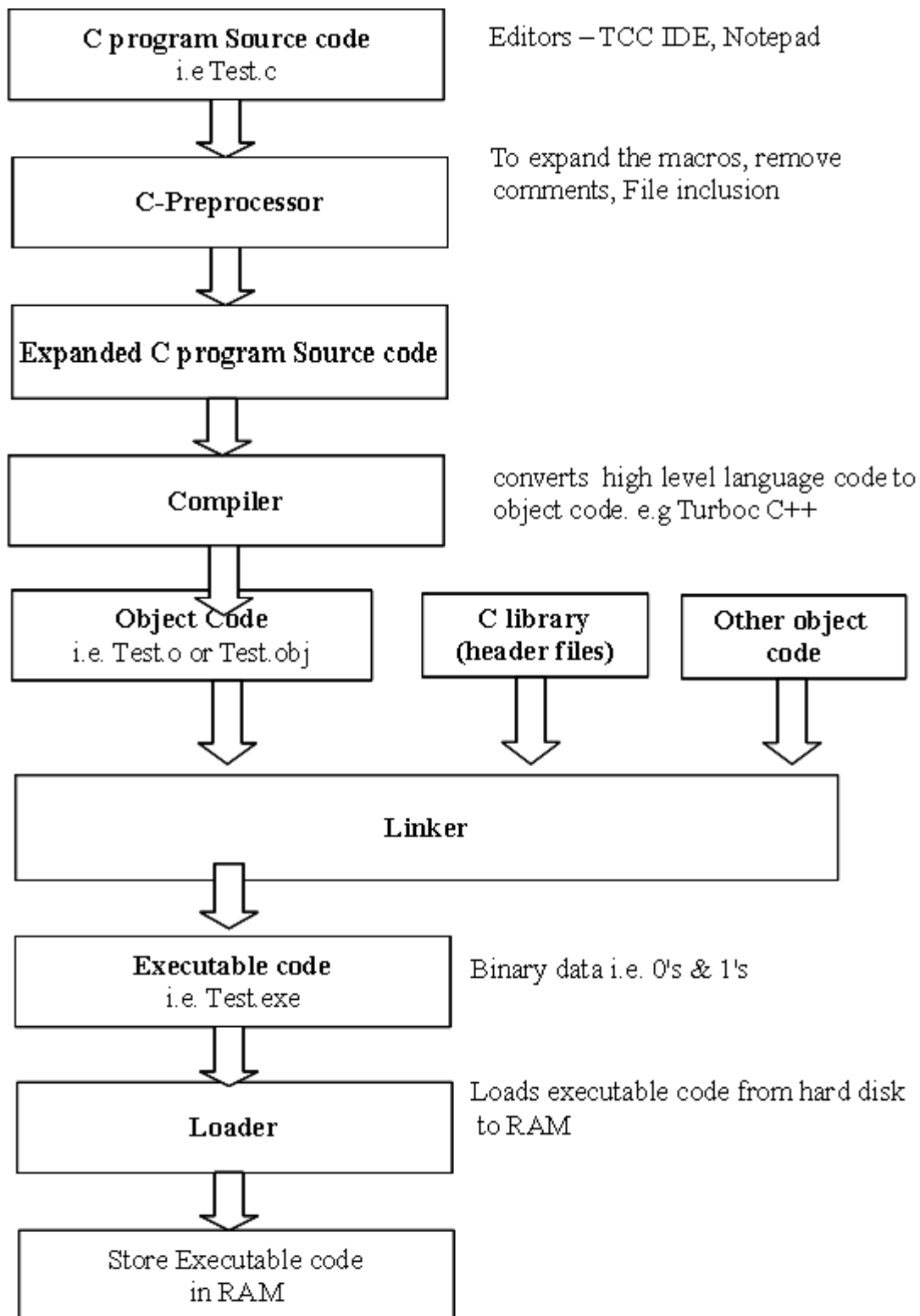


Fig2. Process to compile and execute C program