

Executing a C program.

x Executing a pgm written in c involves - Series of steps

- ① Creating a program
- ② Compiling a program
- ③ Linking the pgm with functions that are needed by C library
- ④ Executing the program.

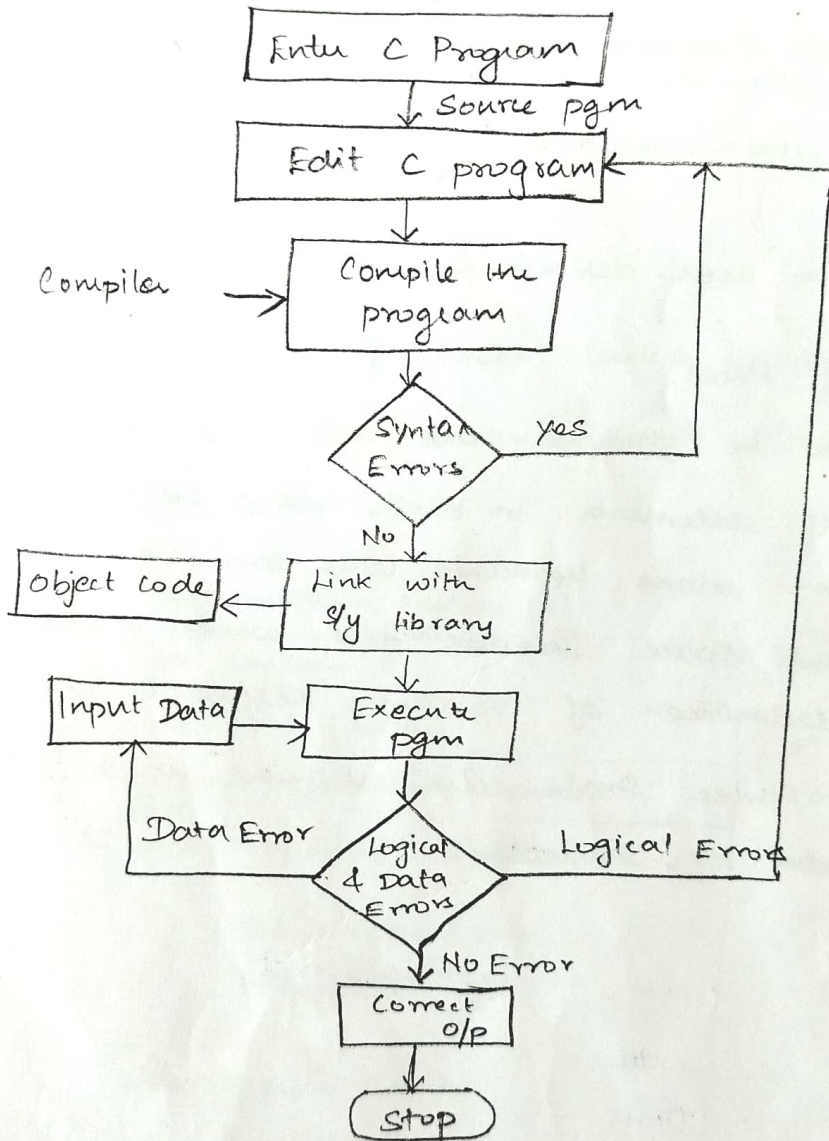


Fig: process of compiling & running a C program.

(i) Creating - writing & editing in c editor. (.c extension)

(ii) compiling

converts high level lang to machine language

ALT+F9 / compile option

Errors: Syntax errors - stmts are wrong.

(iii) Linking

C lang - collection of predefined functions. where functions are written in header files.

Linking with std library is important. This is automatically done at the time of execution.

(iv) Executing. (Ctrl+F9) / Run

Running & testing the pgm with sample data.

2 Errors: logical & Data Errors.

↓
error after endtn &
som sequ. ← ctrl stmts
execution

Constants, variables & Data types.

* Pgm - Sequence of instr

- instruction (formed using certain symbols & words according to some rigid rules (syntax rules)).

* characters in c are grouped into:

(i) letters

(ii) Digits

(iii) special characters

(iv) white spaces.

* C Tokens. Smallest individual units are known as C Tokens. (words/punctuation).