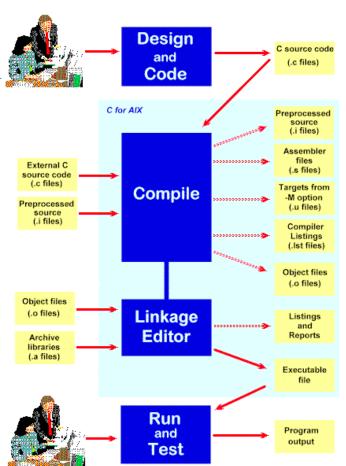


CSE101-Lec 1

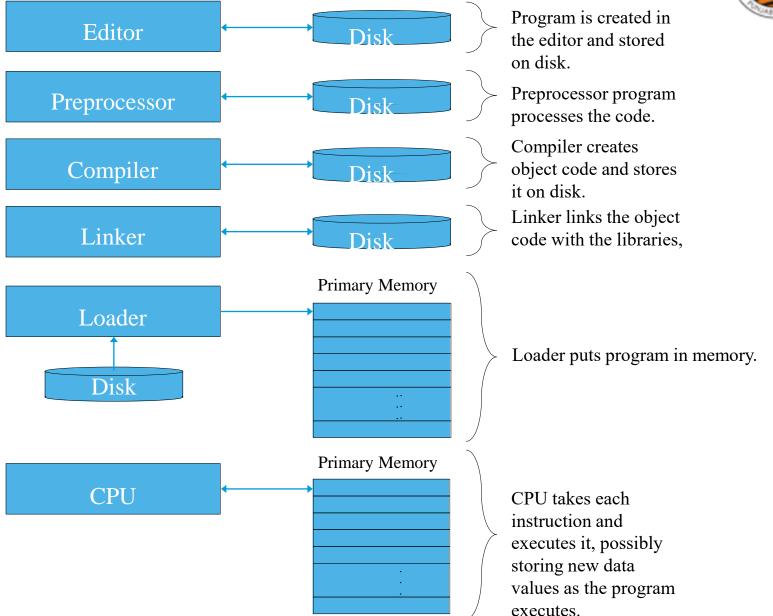
C Program Development Environment

C Program Development Environment

- A C program must go through various phases such as:
 - 1. Creating a program with editor
 - 2. Execution of preprocessor program
 - 3. Compilation
 - 4. Linking
 - 5. Loading
 - 6. Executing









C Program Development Environment(cont.)

Phase 1: Create your program with an **editor** program



Phase 2: A preprocessor find some preprocessor directives (#include <stdio.h>) to include other files.



Phase 3: Compiler compiles the program into machine languages



Phase 6: CPU executes the program one instruction at a time. The load process in Windows OS is just input the name of the executable file.



Phase 5: A loader loads the executable image into memory (RAM).



Phase 4: A linker links the object code with the code in library or other places to produce an executable image.





Next Class: Program structure of C program. Various programming tools like flow chart and algorithms.