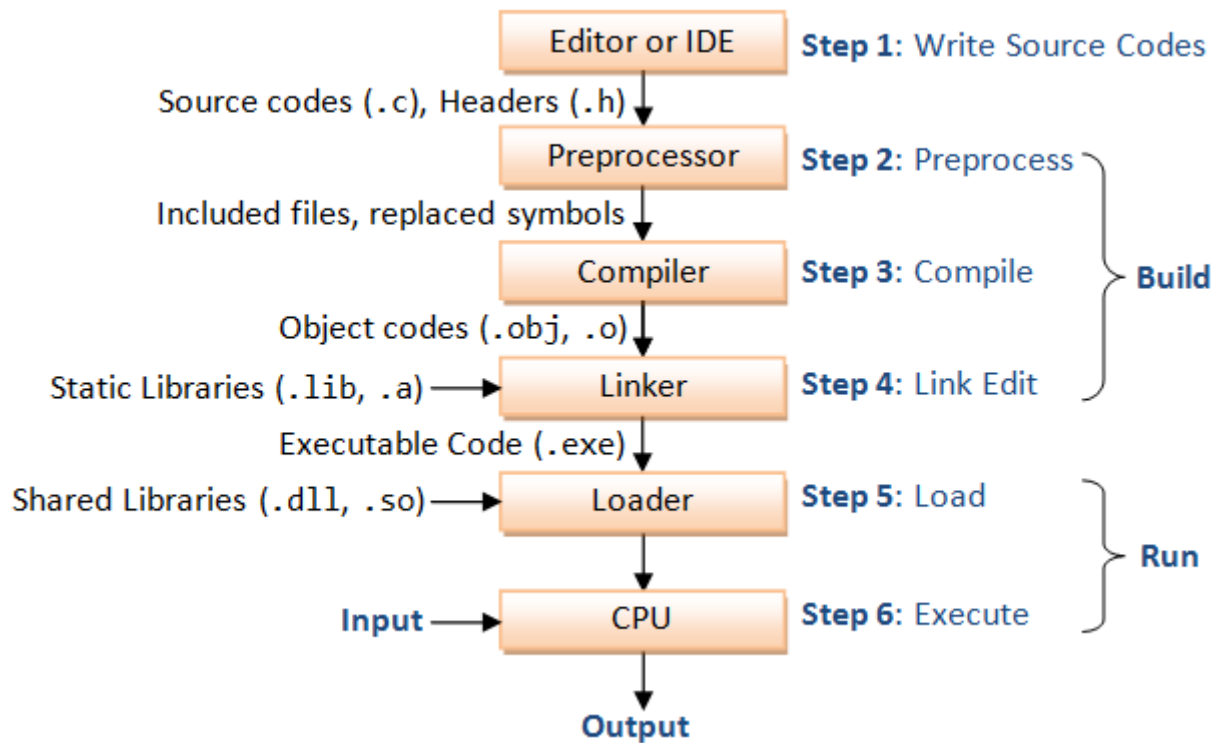


# Libraries

1. Static library
2. Dynamic library

## Phases of C



**SYMBOLIC CONSTANT**  $\Rightarrow$  #define

## Process

- Create definition files  
`gcc n.c -c`
- Compile all definition files
- archive it  $\rightarrow$  `ar rs filename.a .o files`  
`ar rs filename.a 1.o 2.o ... n.o`
- Create header file and write declarations in it.
- Create main file
- Compile main file  
`gcc main.c -c`

- Compile header file[.a] with main.o and generate output file

```
gcc -o outputfilename main.o filename.a
```

- run output file

```
./outputfilename
```

---

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