# File Permissions

|  | User/Owner | Group | Others |
|---|---|---|---|
|  | rw- | rw- | r-- |
|  | 110 | 110 | 100 |
|  | 6 | 6 | 4 |

**664**

r  - read
w - write
x - execute

|  | rwx | rw- | r-- |
|---|---|---|---|
|  | 111 | 110 | 100 |
|  | 7 | 6 | 4 |

- user/owner
- group
- others

**764**

**chmod 764 file1.txt**

|  | rwx | r-- | r-- |
|---|---|---|---|
|  | 111 | 100 | 100 |
|  | 7 | 4 | 4 |

**744**

demo.c

**Preprocessor** →

demo.i

**Compiler** →

demo.s

**Assembler** →

demo.o

Source code

Expanded source code

Assembly code

Machine code (Object file)

.lib/.dll .a/.so

**Linker**

library file

demo.out/demo.exe

RAM

**Loader (OS)** ←

Machine code (Executable file) (binary file)