**系統程式設計**

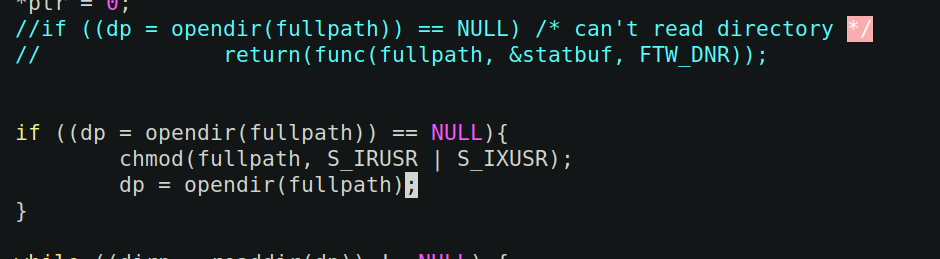
**Lab4 File Attributes**

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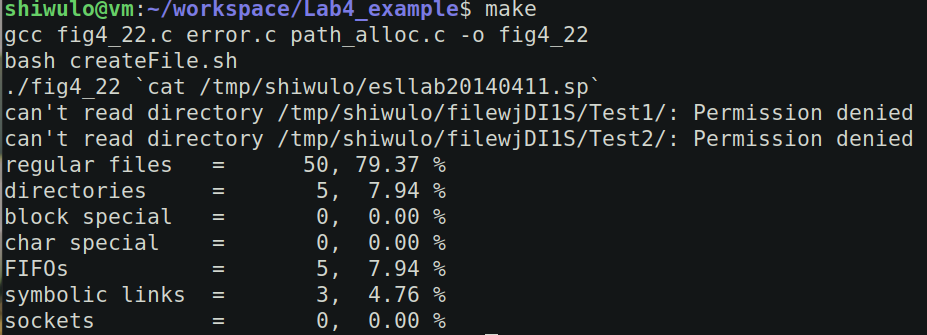
1. **How do you modify fig4\_22.c?**

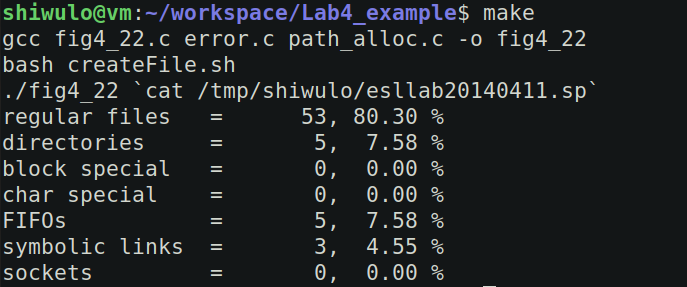
A : read permission is not enough, the user also need execute permission to change directory

1. **The count of the various types of files?**

**Ex: File type = Count, Percentage**

A:

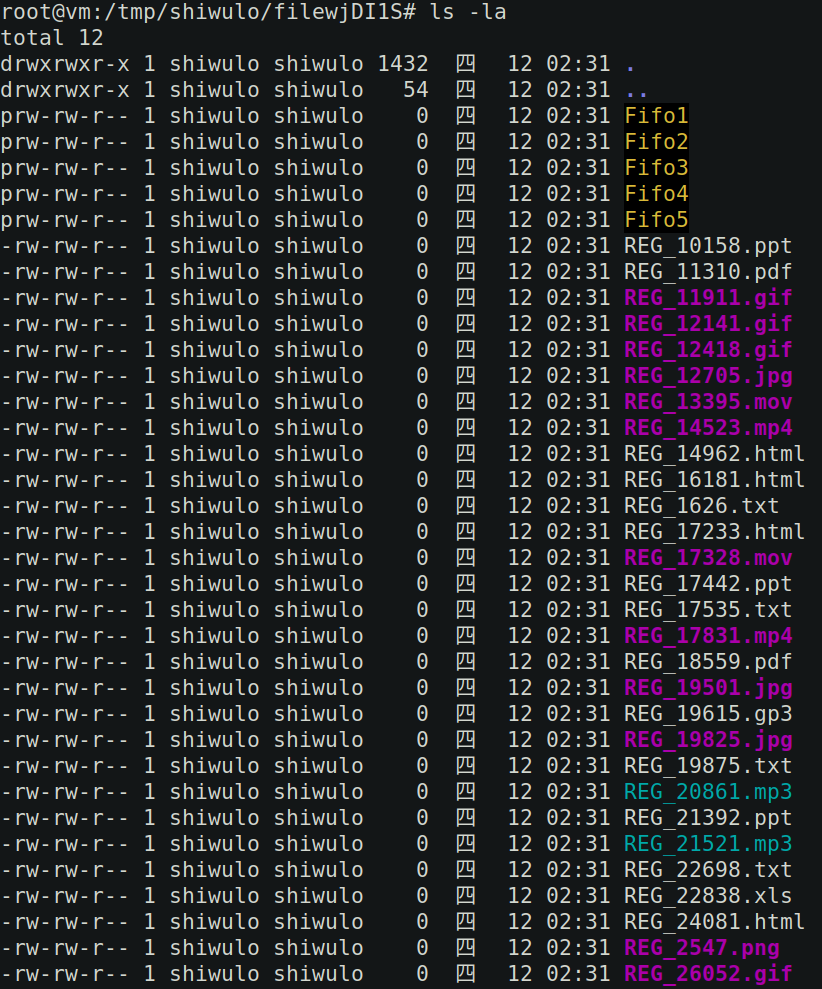
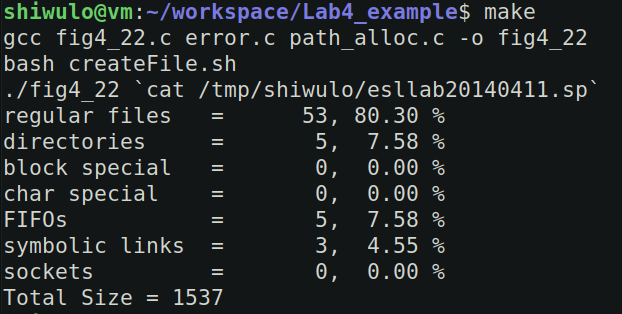
without permission : 50 + 5 + 0 + 0 + 5 + 3 + 0 = 63

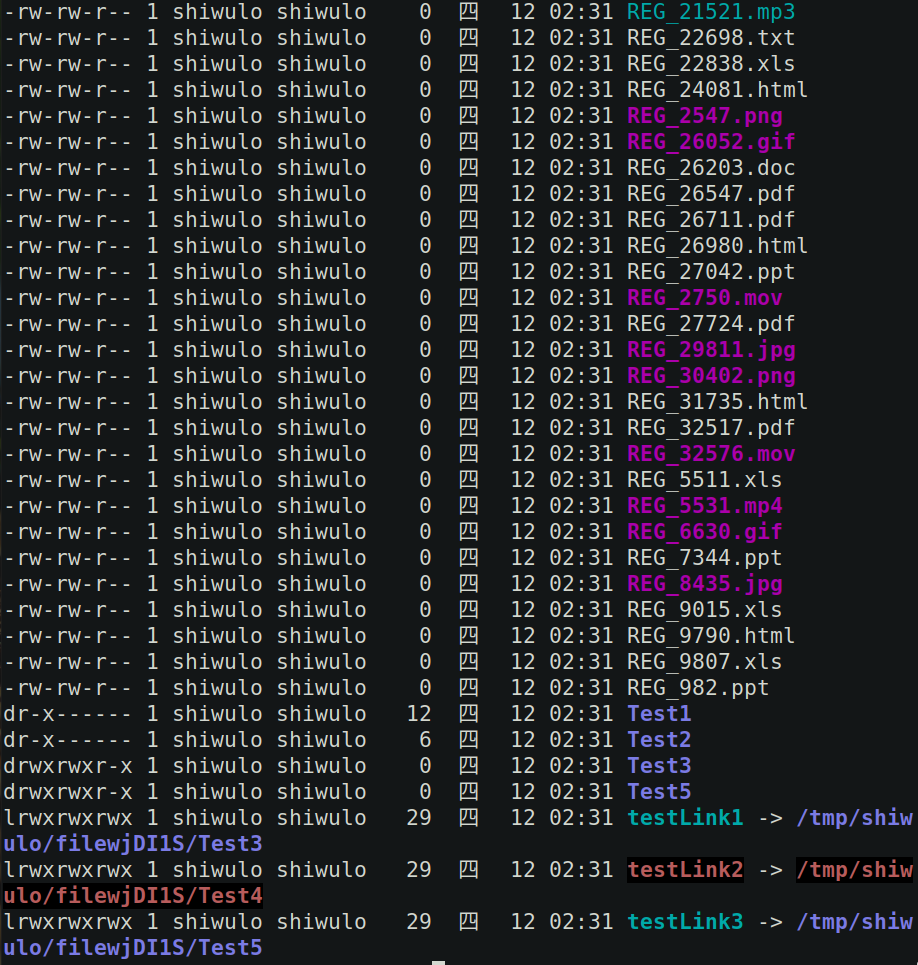
with permission : “53” + 5 + 0 + 0 + 5 + 3 = 66

1. **The count of total files size?**

**Ex: Total size = Size**

A : declare global off\_t total\_size = 0, sum by using statptr->st\_size in myfunc, then print out in main



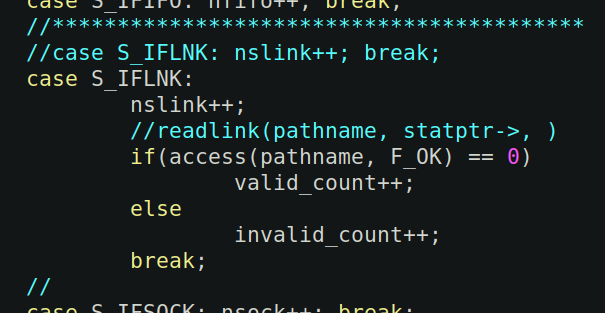
**(Bonus) The count of valid and invalid link?**

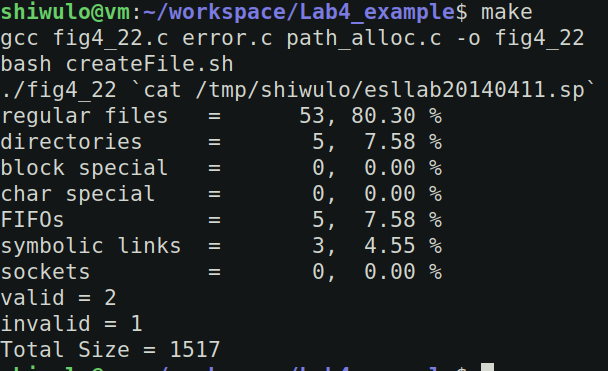
**Ex:**

**Valid link = Count**

**Invalid link = Count**

A : use access()



\*\*\*total\_size changes because the directory “.” is different size every time i “make”