

Linux OS & Programming

**Document History**

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| **Ver. Rel.**  **No.** | **Release Date** | **Prepared. By** | **Reviewed By** | **To be Approved By** | **Remarks/Revision Details** |
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# Assignment-1

# Case study – Design & Link with Libraries

Step 0 - Preparation

Step-1A - Simple Make file

Step-1B- Simple Make file with Inc and Src Folders Step 2- Static Libraries

Step 3- Dynamic Libraries

GitHub Link for the codes**: https://github.com/99003597/linuxtask1**

Commands Learned:

* Creating .out and object files(.o files)

>> gcc dep1.c dep2.c dep3.c

* Executing the output considering a.out is the executable file

>> ./a.out

* Creating libraries

**>>** ar rc libsimple.a dep1.o dep2.o

**>>** gcc -L. dep1.o s1.out -lsimple

* Dynamic Library Linking:

>>gcc -L. dep1.o -o d1.out -lsample

* Makefile

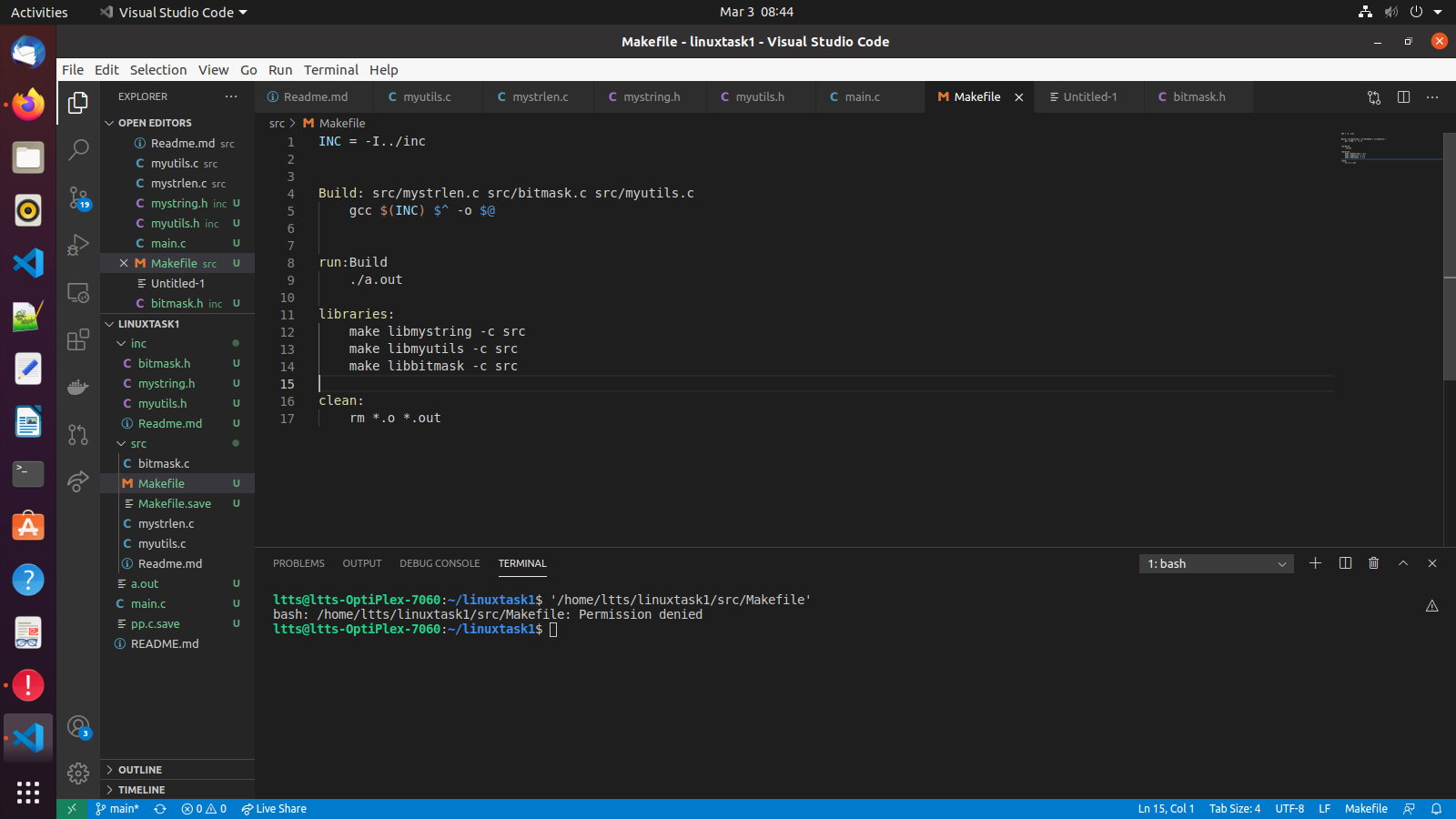
>> Target : Dependencies

<Tab>gcc dependencies

Run : Target

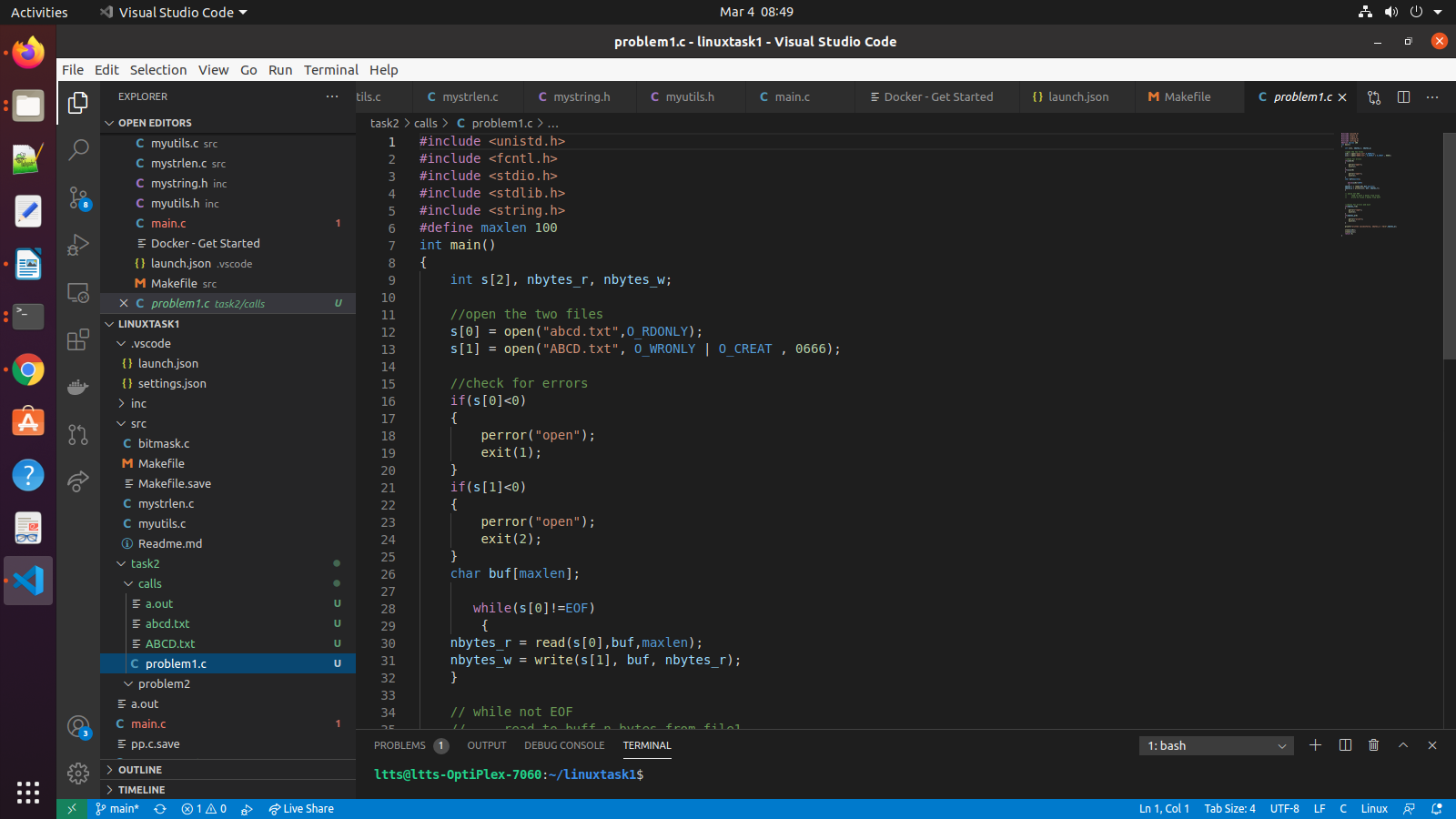
<Tab> ./a.out

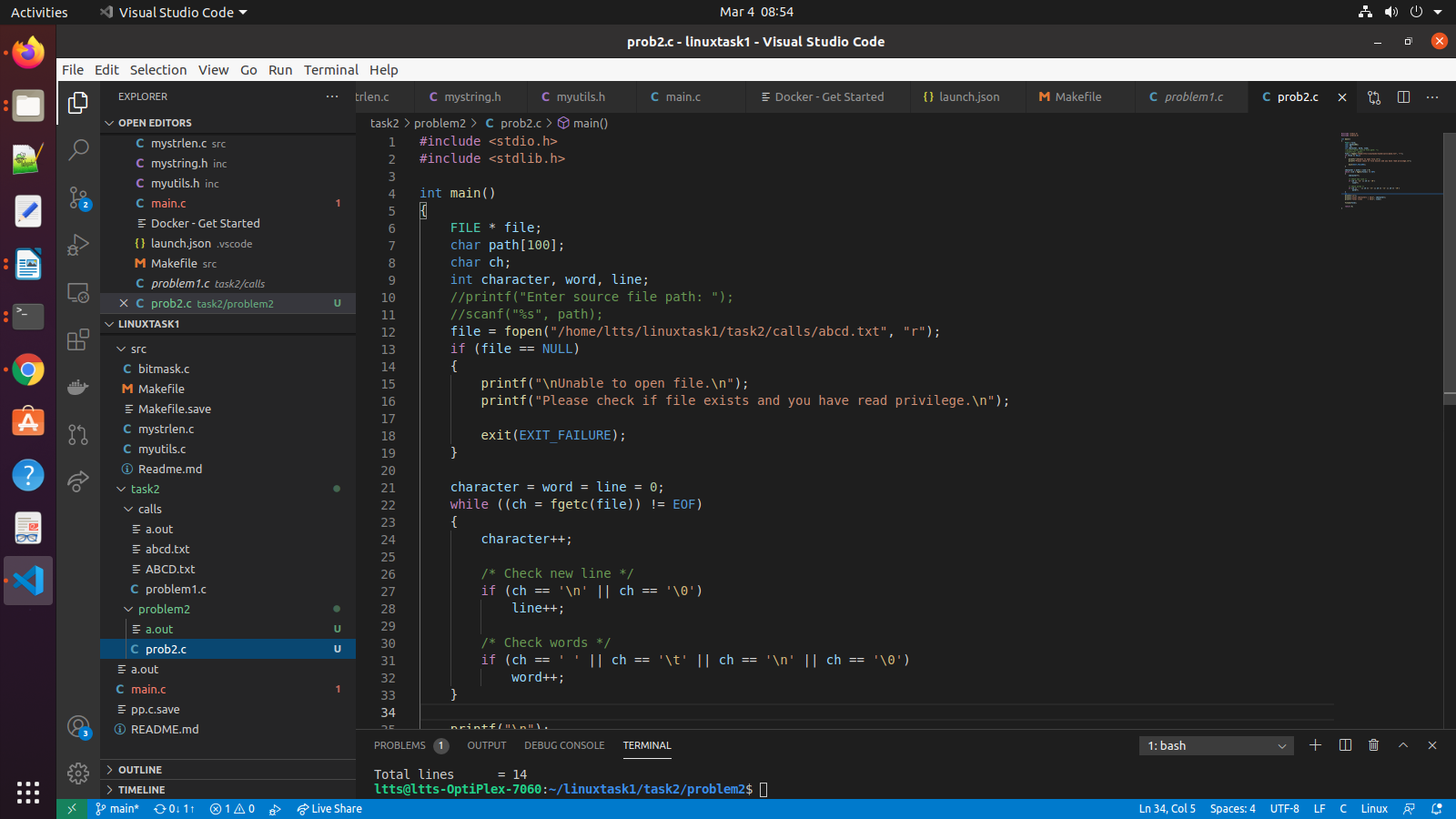
Makefile:



Assessment1:

System calls





Problem 2