**Linux Development Tool - Makefile Assignment**

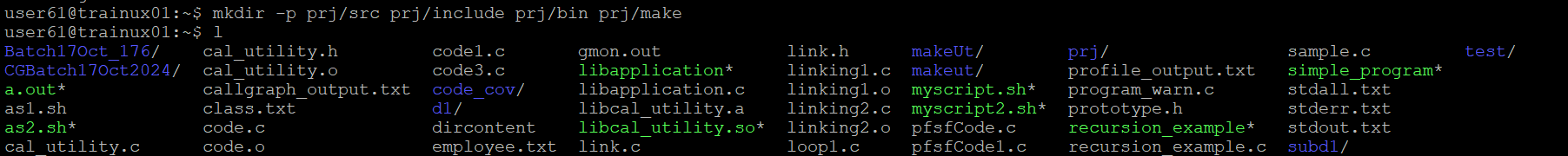
1. Copy the files below to your working directory. Create the project directory structure and copy them to appropriate directory. Add a makefile in make directory. Compile and generate the executable.

program.c

simplelink.h

simplelink.c

1. Create the directory tree and keep the .c and .h file in appropriate directories.



1. **Create a makefile in make directory with macros, clean and all targets.**

**A group of colorful lights

Description automatically generated with medium confidence**

1. **Run command below from make directory and check the statements for correctness. Check for executable in prj/bin.**

**make -n all**

**A screen shot of a computer program

Description automatically generated**

1. Run cmd below. What did you observe and why?

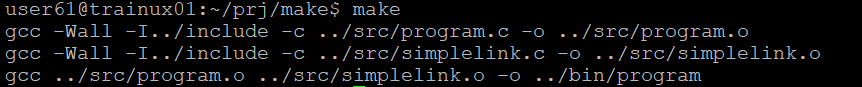
make clean

A black background with white text

Description automatically generated

1. Run make and generate the executable. Check in prj/bin.

Make



1. Run command below.

make clean



1. Run comand below to generate the executable.

Make all

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1. Make any one line change in source file, try the following command and observe.

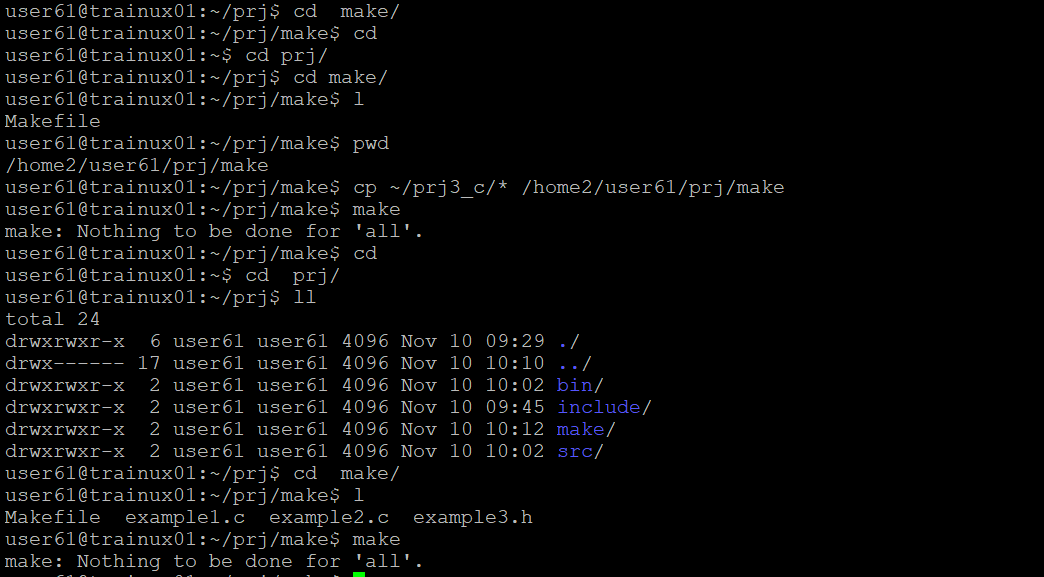
Make all

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2. Copy the code from directory “prj3\_c” to your local working directory.

Compile the code and generate the exe using makefile. [The existing makefile has errors which are to be fixed].



3. Copy the code from directory “prj4\_c” to your local working directory. In this code all files (\*.c. \*.h) are placed in src directory. Do place them in appropriate directory, update the makefile, compile and generate the exe using makefile.

A computer screen shot of a program

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