Part a) bin inc obj src ./bin: ./inc: progtools.h ./obj: ./src: progtools.c simpleprog.c Part b) gcc -l./inc -c -o obj/simpleprog.o src/simpleprog.c gcc -l./inc -c -o obj/progtools.o src/progtools.c gcc -o bin/simpleprog ./obj/simpleprog.o ./obj/progtools.o Makefile bin inc obj src ./bin: simpleprog ./inc: progtools.h ./obj: progtools.o simpleprog.o progtools.c simpleprog.c main tool1 hello from main Part c) Makefile bin inc obj src ./bin: simpleprog ./inc: progtools.h ./obj: ./src: progtools.c simpleprog.c gcc -l./inc -c -o obj/simpleprog.o src/simpleprog.c gcc -l./inc -c -o obj/progtools.o src/progtools.c gcc -o bin/simpleprog ./obj/simpleprog.o ./obj/progtools.o Makefile bin inc obj src ./bin: simpleprog ./inc: progtools.h ./obj:

progtools.o simpleprog.o

progtools.c simpleprog.c

a)

[sraj28@general4 ~]\$ vi hello220.sh [sraj28@general4 ~]\$ chmod +x create.sh chmod: cannot access 'create.sh': No such file or directory [sraj28@general4 ~]\$ chmod +x hello220.sh [sraj28@general4 ~]\$./hello220.sh sr 4 ./hello220.sh: line 8: dirName: command not found ./hello220.sh: line 9: numFiles: command not found mkdir: cannot create directory ": No such file or directory ./hello220.sh: line 14: touch/file_1.txt: No such file or directory Created file:/file_1.txt Created files in . [sraj28@general4 ~]\$ vi hello220.sh [sraj28@general4 ~]\$ chmod +x hello220.sh [sraj28@general4 ~]\$./create.sh a2 4 -bash: ./create.sh: No such file or directory [sraj28@general4 ~]\$./hello220.sh a2 4 Created file: a2/file_1.txt Created file: a2/file_2.txt Created file: a2/file_3.txt Created file: a2/file 4.txt Created 4 files in a2. [sraj28@general4 ~]\$ Is a2 file_1.txt file_2.txt file_3.txt file_4.txt [sraj28@general4 ~]\$ vi hello220.sh #!/bin/bash if ["\$#" -ne 2]; then echo "Usage: \$0 < directory name > < number_of_files > " dir_name \$1 # num_files \$2 # for in \$(seq 1 \$num_files) do touch "\$dir_name/file echo "Created \$num_files files in \$dir_name." b) [sraj28@general4 ~]\$ vi copy.sh [sraj28@general4 ~]\$ chmod +x copy.sh [sraj28@general4 ~]\$ mkdir b [sraj28@general4 ~]\$./copy.sh a b ./copy.sh: line 8: src_dir: command not found ./copy.sh: line 9: tgt_dir: command not found mkdir: cannot create directory ": No such file or directory cp: target " is not a directory Files copied from to on Fri Sep 20 00:29:43 MST 2024 [sraj28@general4 ~]\$ \$vi copy.sh -bash: copy.sh: command not found [sraj28@general4 ~]\$ vi copy.sh [sraj28@general4 ~]\$ chmod +x copy.sh [sraj28@general4 ~]\$./copy.sh a2 b

Files copied from a2 to b on Fri Sep 20 00:29:43 MST 2024 [sraj28@general4 \sim]\$ ls b file_1.txt file_2.txt file_3.txt file_4.txt

##