

Day 5 - Group Project

CIERA Research Group

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1 PROJECT - BACKUP SCRIPT

You will now work collaboratively on a group project involving QUEST, *bash* and *git*. Your goal is to create a program that backs up a folder which is taken as an argument when the script is run. The final product should be composed of three parts:

1.1 MAIN BODY

This subsection of the program is the exoskeleton which calls the two other functions. It should set up the backup job as a QUEST submission using a single core. It will print the total execution time (found from the end of the QUEST logfile) to the terminal upon completion. It should call the two other functions as bash calls.

1.2 LOG

This should be a separate bash script that reports the changes in the directory structure you are backing up. It should output to the terminal a list of files that are being created - as well as a list of files that are being changed.

1.3 DISKSPACE

This function should also be a separate bash script which compiles a list of the disk space used by each directory that is in the backup folder. It should output a sorted list containing the directory names and the disk space used by each directory.