

January 2023 CSE 314

Online Assignment on Bash Scripting

Time: 30 minutes

Subsections B1

Suppose your pc is under attack. All you know is that the virus is from **input_dir** directory (which may contain sub-directories). Now you want to do a forensic analysis. For that, you need to copy all files with execute permission to a given **output_dir** according to their **user** as a subdirectory. If there are multiple users, copy it to all. After copying, you also need to **revoke their execution permission**.

Command

./online-1905XXX.sh input_dir output_dir

Output

Files should be copied in **output_dir** folder within the appropriate subdirectory.

if ls gives

-rwxr-rwx 1 pikachu group1 0 Jan 19 12:59 choto.virus

copy it to both **output_dir/pikachu** and **output_dir/other**

You should also rename files in descending order of **last time of modification** in the file e. g. the file with the earliest modification time will have the name **0_its_original_name.txt** and the next one **1_its_original_name.txt** and so on.

txt is a placeholder extension. Use the original extension.

Instructions

Please note that **any usage of the internet** is strictly prohibited during the assignment. Use of any unfair means will be duly punished.

Please **submit the source code** in moodle. Failure to submit in the moodle will result in a mark deduction.