

Question

Users can put a compressed file at any path of the linux file system. The name of the file will be research and the extension will be of compression type, example for gzip type extension will be .gz.

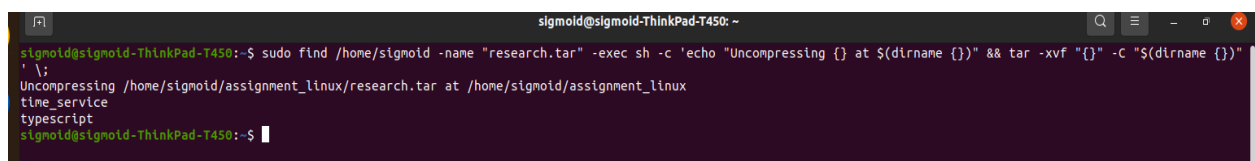
You have to find the file and check the compression type and uncompress it.

My Approach

Step 1 : Open terminal

Step 2 : Type the given command

Command = `sudo find /home/sigmoid -name "research.tar" -exec sh -c 'echo "Uncompressing {} at $(dirname {})" && tar -xvf "{}" -C "$(dirname {})"' \;`

A terminal window titled 'sigmoid@sigmoid-ThinkPad-T450: ~' showing the execution of the command. The output shows the file being found at '/home/sigmoid/assignment_linux/research.tar' and the message 'Uncompressing /home/sigmoid/assignment_linux/research.tar at /home/sigmoid/assignment_linux' followed by a list of files: 'time_service', 'typescript', and 'sigmoid@sigmoid-ThinkPad-T450:~\$'.

Note = The provided command is a sudo-privileged operation that searches for files named "research.tar" within the /home/sigmoid directory and its subdirectories. For each occurrence found, it prints a message indicating that it's uncompressing the file, and then proceeds to extract the contents of the tar file into the directory where the tar file is located.