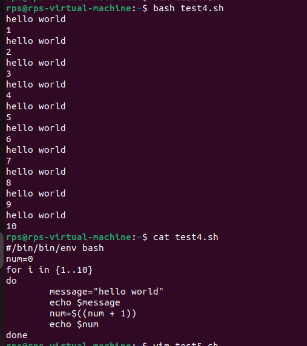
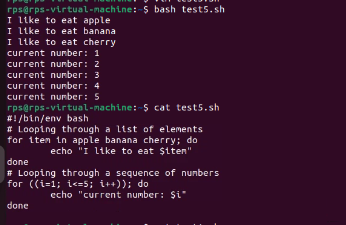
**Date:18-07-2024**

**Day\_3\_linux\_Assignments:**

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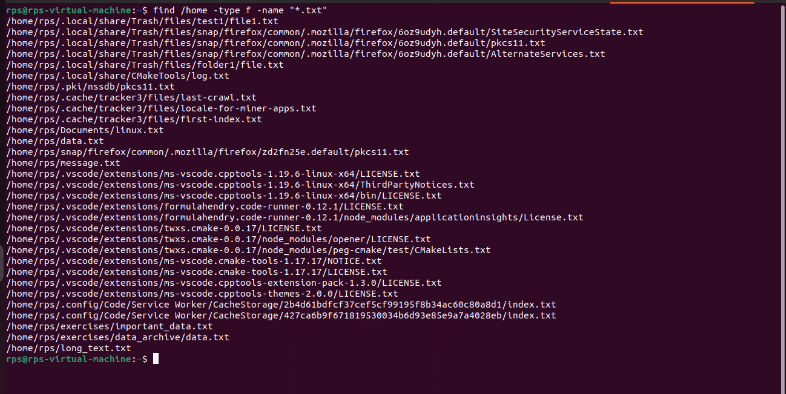
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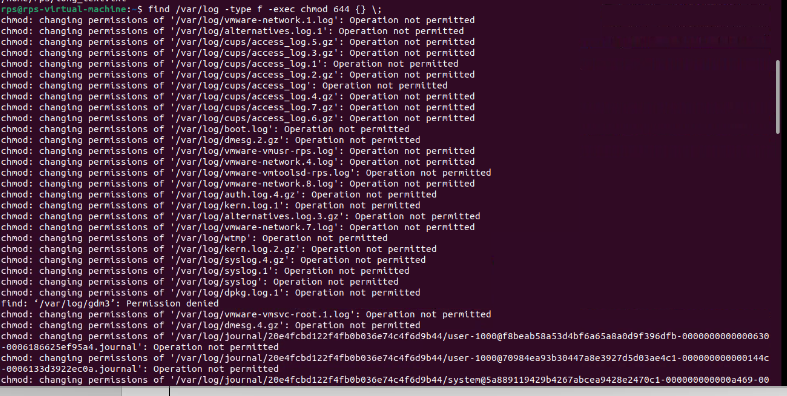
****

**1.File Search: Write a command to find all files with the extension .txt in the /home directory and its subdirectories.**

****

**2.File Permissions:**

**Write a command to change the permissions of all files in the /var/log directory to 644.**

****

**3.** **Disk Usage:**

**Write a command to display the disk usage of all directories in the /home directory in a human-readable format.**

****

**4.** **Process Management:**

**Write a command to list all running processes that contain the name "apache" in their command line.**

****

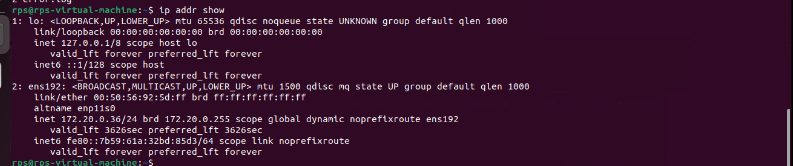
**5.** **Text Processing:**

**Write a command to count the number of lines in a file named error.log.**

****

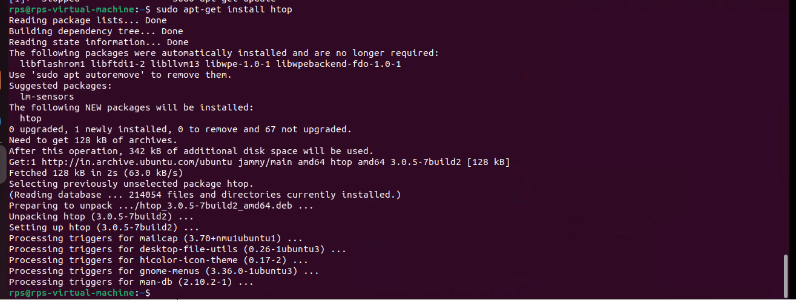
**6.** **Network Configuration:**

**Write a command to display the IP address of all network interfaces on the system.**

****

**7.** **Package Management:**

**Write a command to install a package named htop using the package manager.**

****

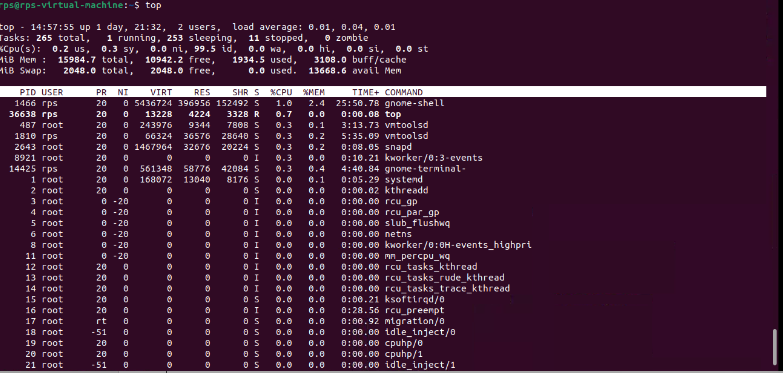
**8.** **User Management:**

**Write a command to add a new user named developer to the system.**

****

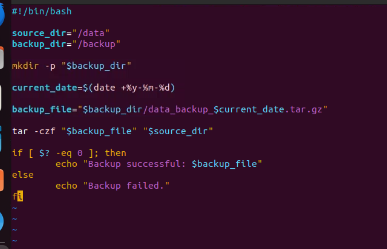
**9.** **File Compression:**

**Write a command to compress a directory named backup into a .tar.gz file.**

****

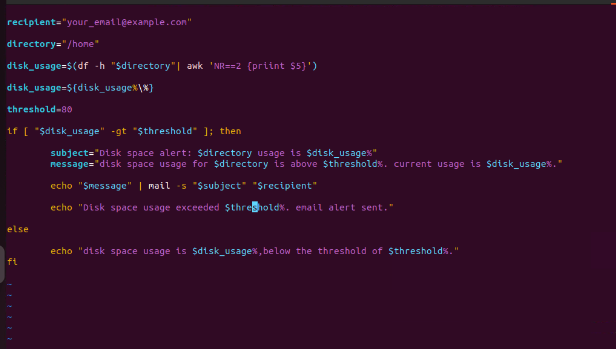
**11.** **User Report:**

**Write a shell script to generate a report of all users currently logged into the system and save it to a file named user\_report.txt.**

****

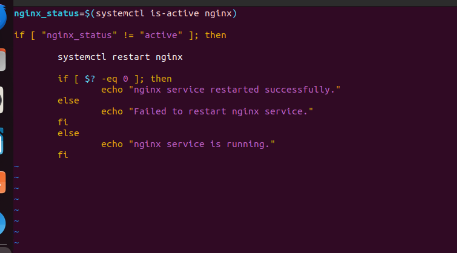
**12.** **Disk Space Alert:**

**Write a shell script to check the disk usage of the /home directory and send an email alert if the usage exceeds 80%.**

****

**13.** **Service Monitor:**

**Write a shell script to check if the nginx service is running and restart it if it is not**

****