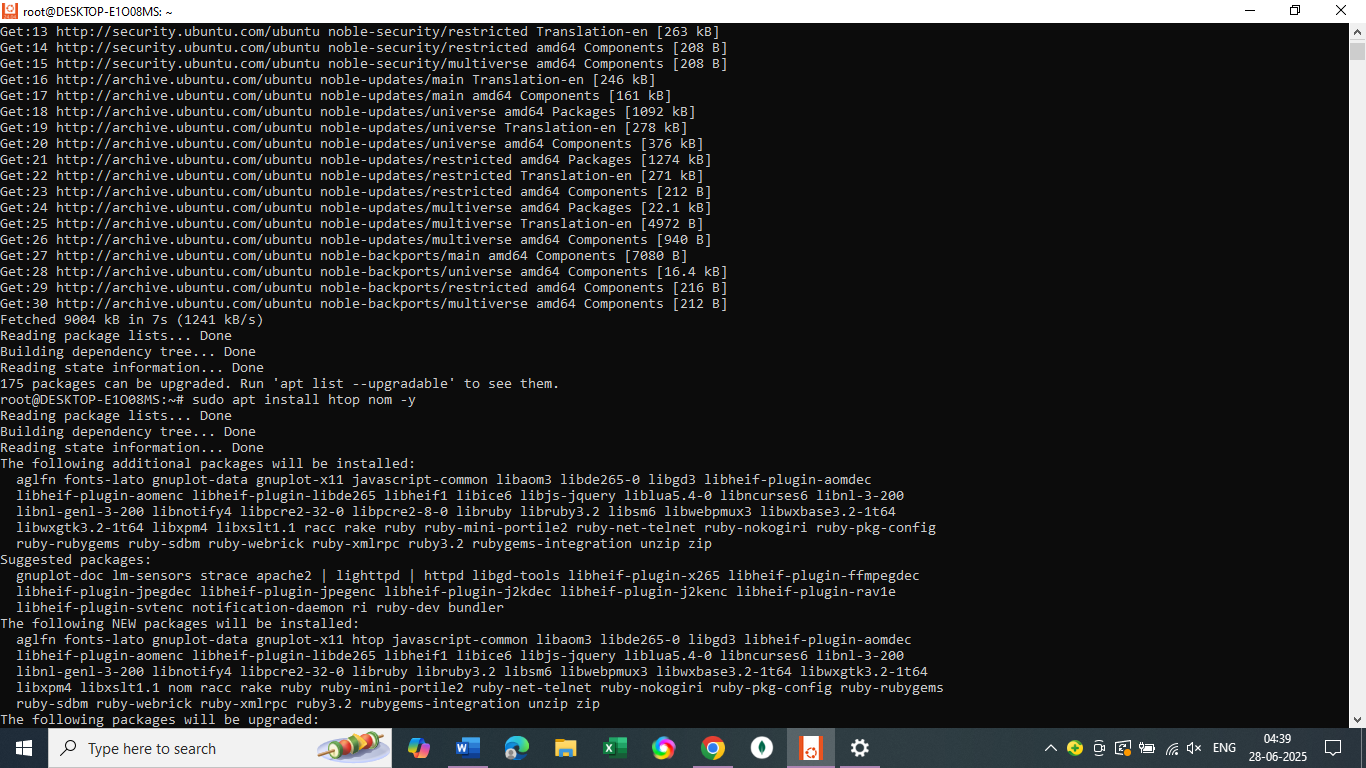
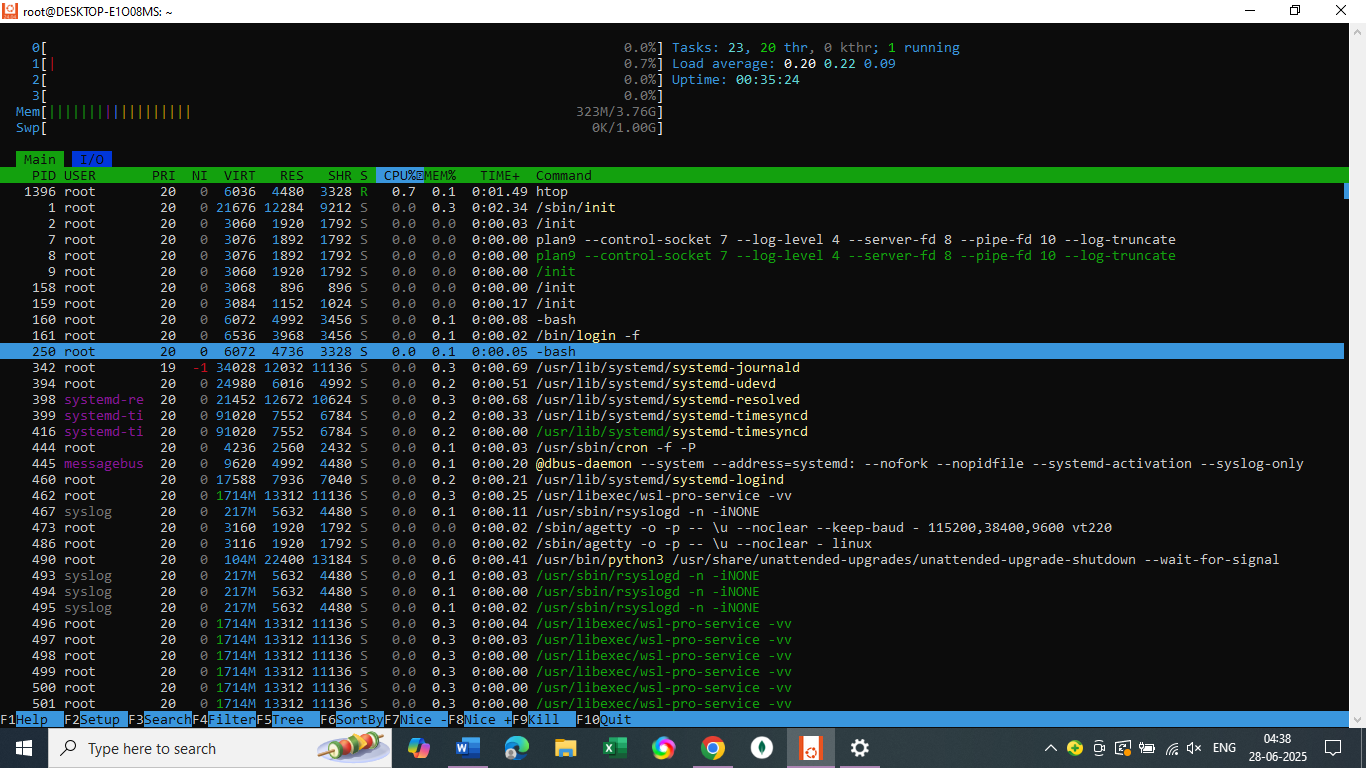
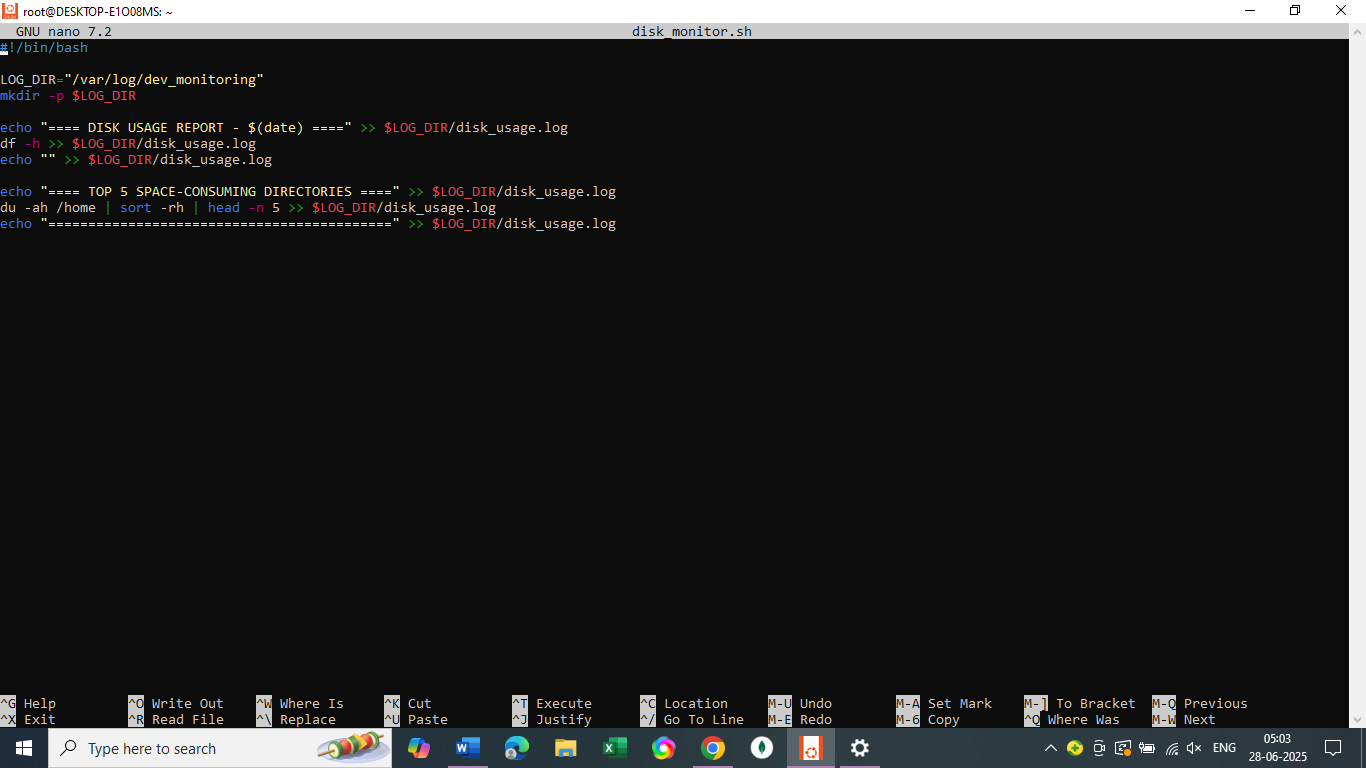
TASK 1:  
  
1. Install Monitoring Tools  
  
sudo apt update

sudo apt install htop nmon -y  
  


2. Run htop

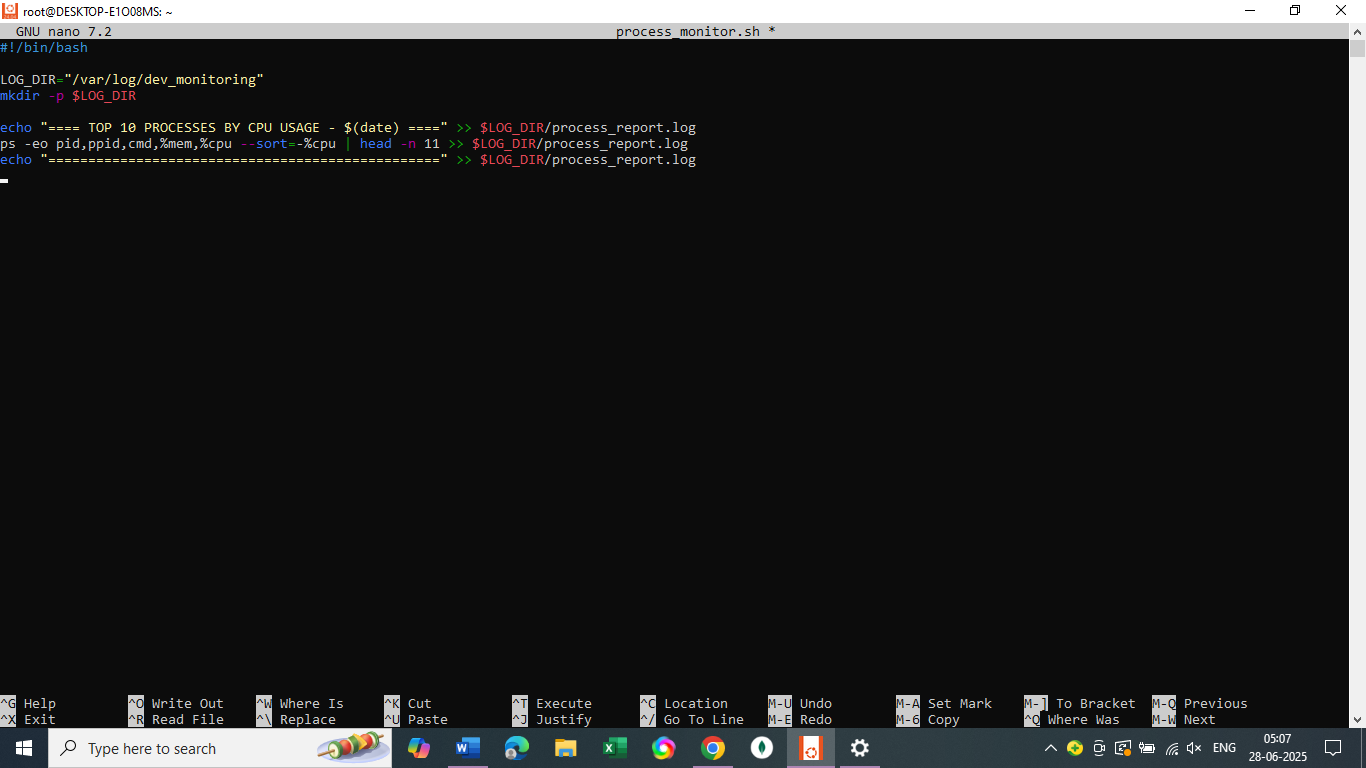


Disk usage monitoring

Nano disk\_monitor.sh 

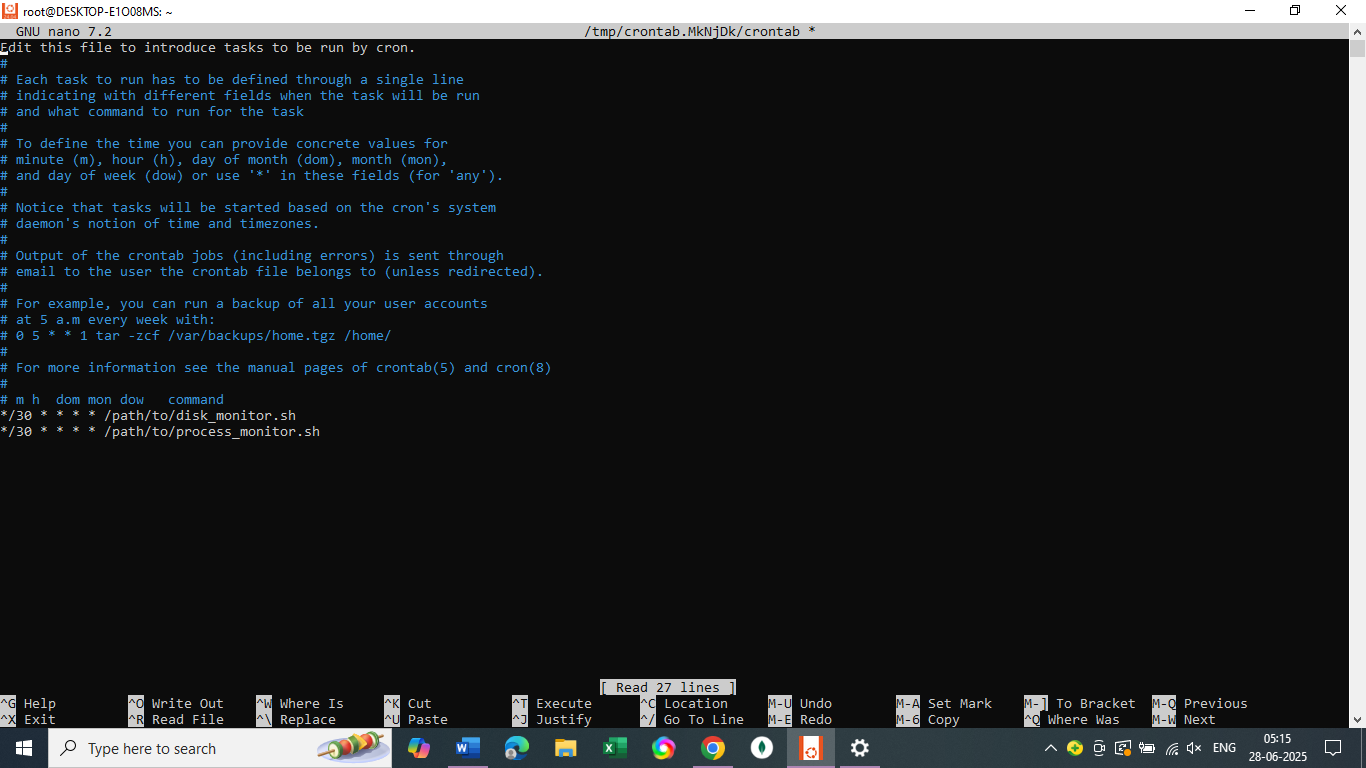
Make it as executable  
chmod +x disk\_monitor.sh

**Monitoring high resource**  
  
Process\_monitor.sh

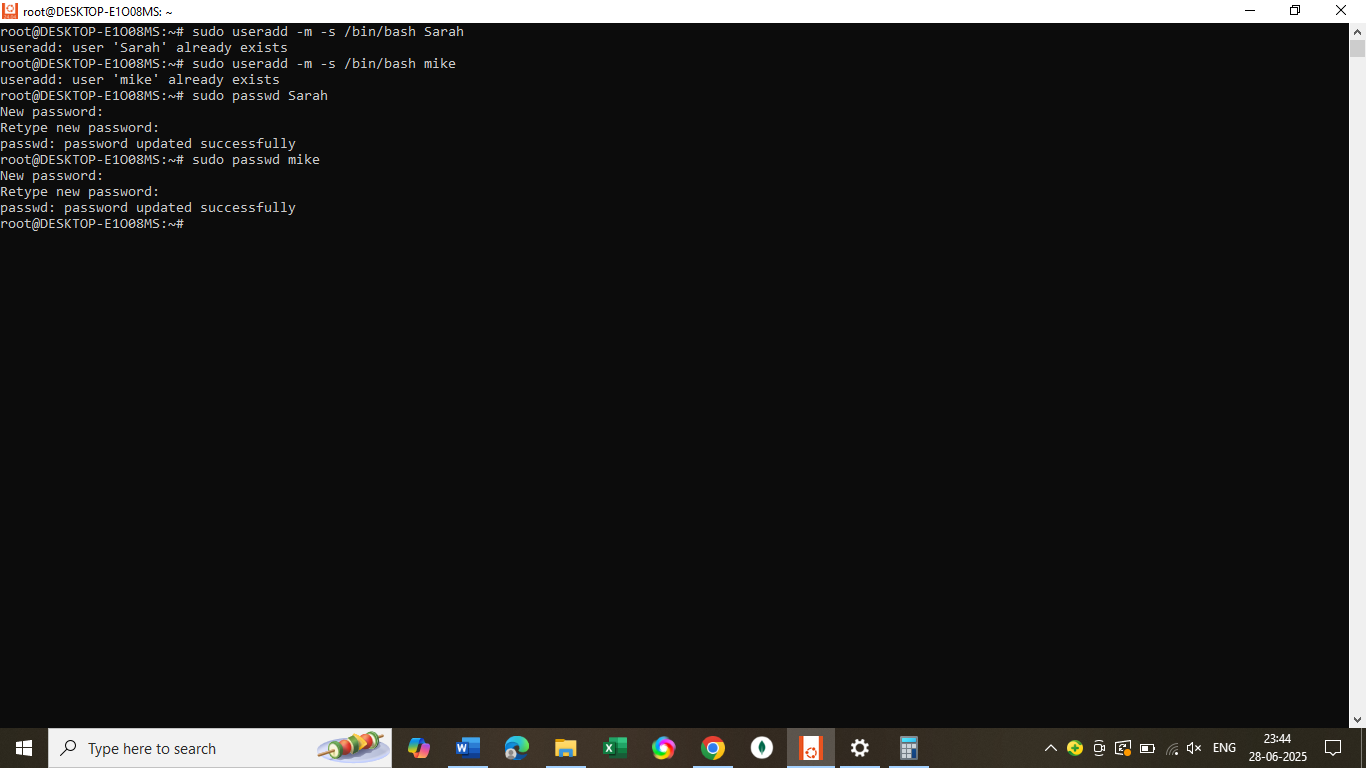


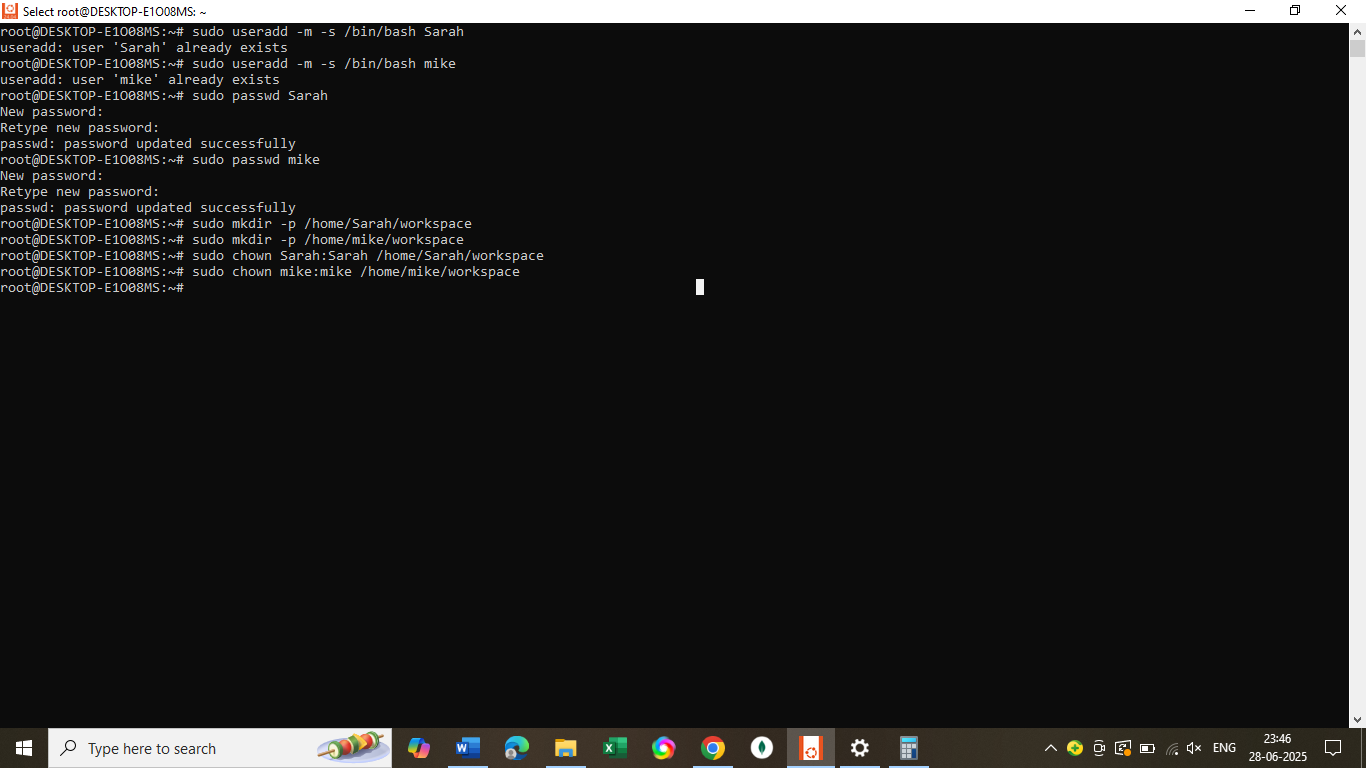
crontab -e  
  
Add  
  
\*/30 \* \* \* \* /path/to/disk\_monitor.sh

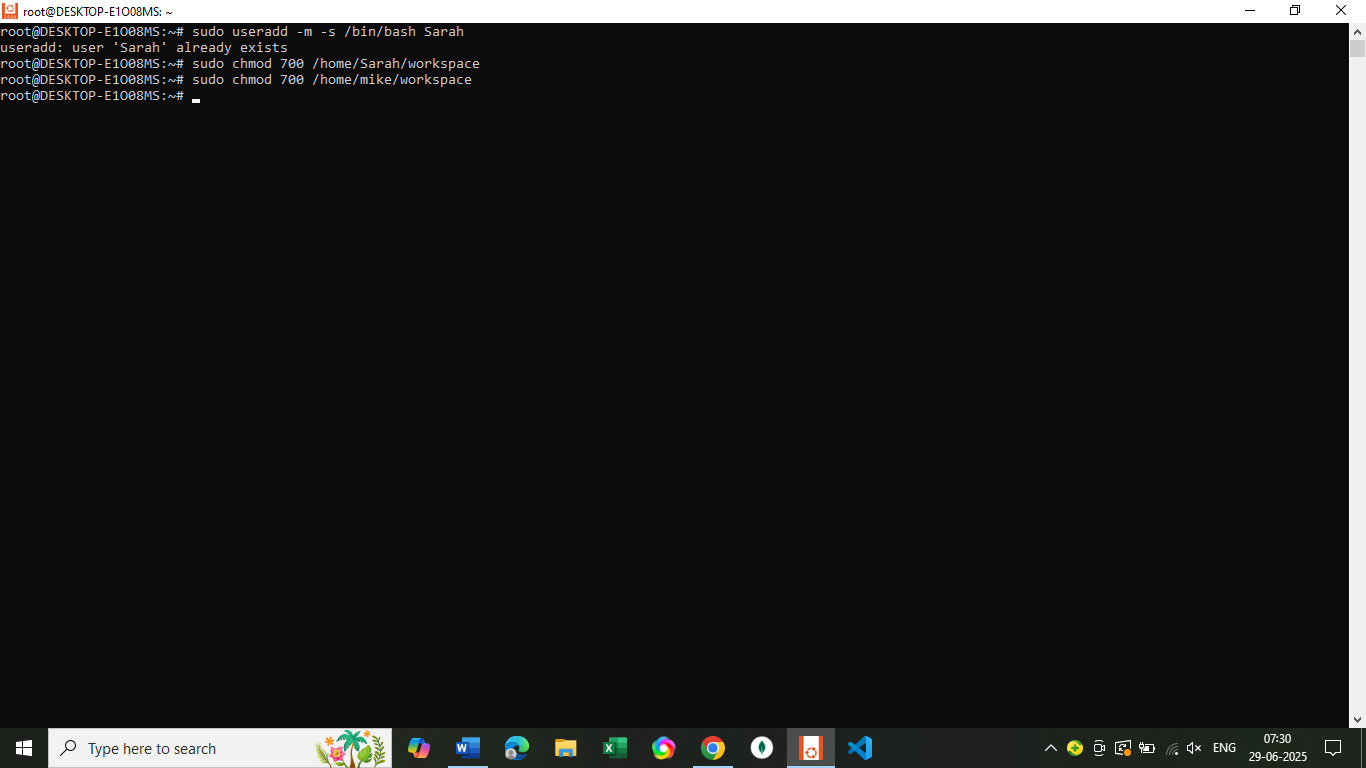
\*/30 \* \* \* \* /path/to/process\_monitor.sh



Task 2:

1. **Create User Accounts with Secure Passwords**
2. Create Dedicated Workspace Directories

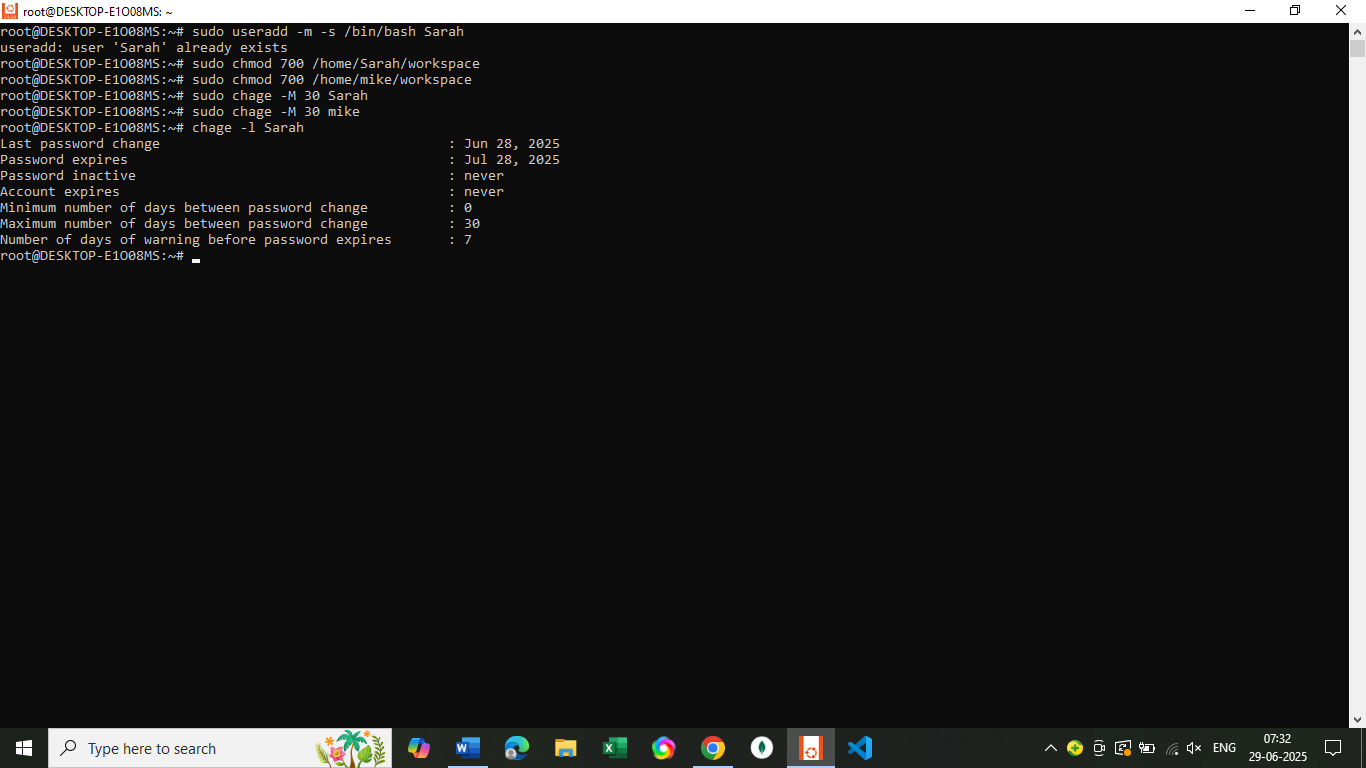


**3.Restricts Access to each directory**  
  
  
# Restrict access to only the owner (700 permission)

sudo chmod 700 /home/Sarah/workspace

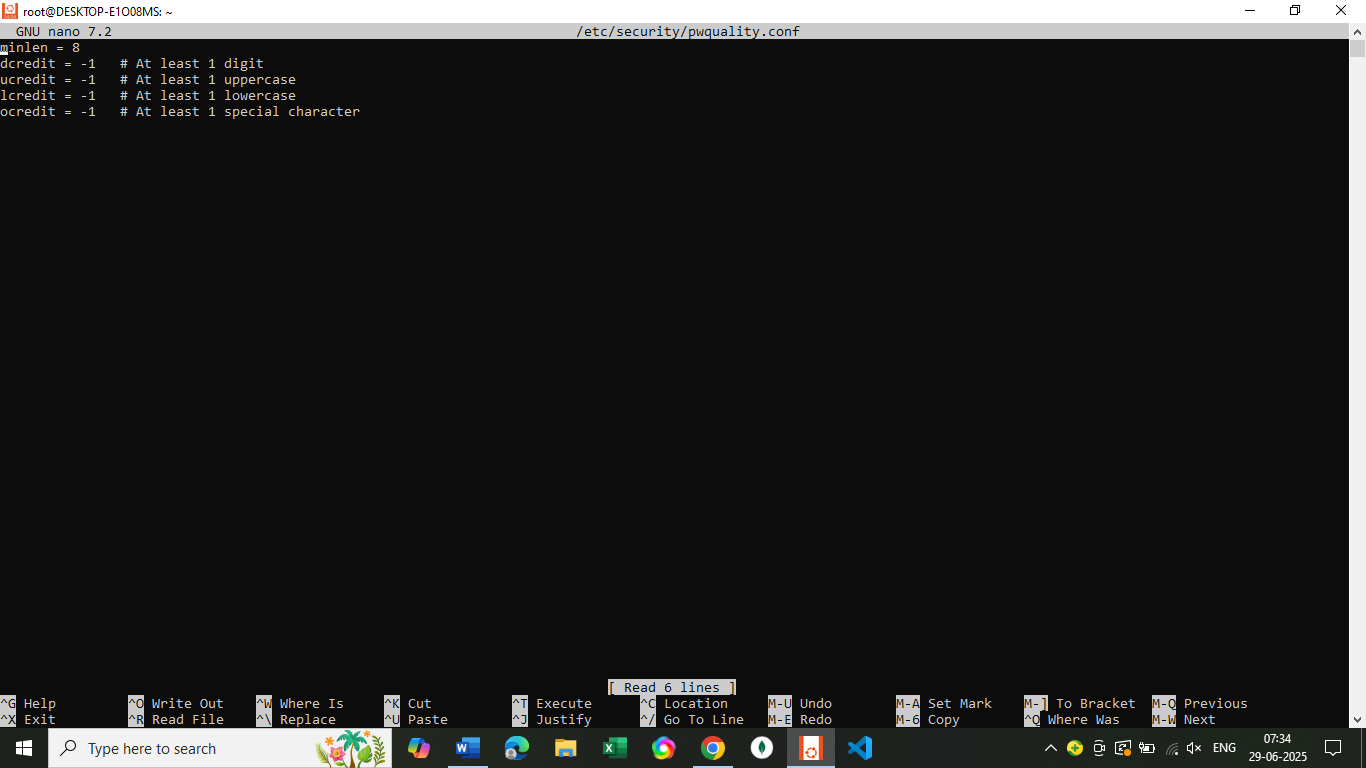
sudo chmod 700 /home/mike/workspace

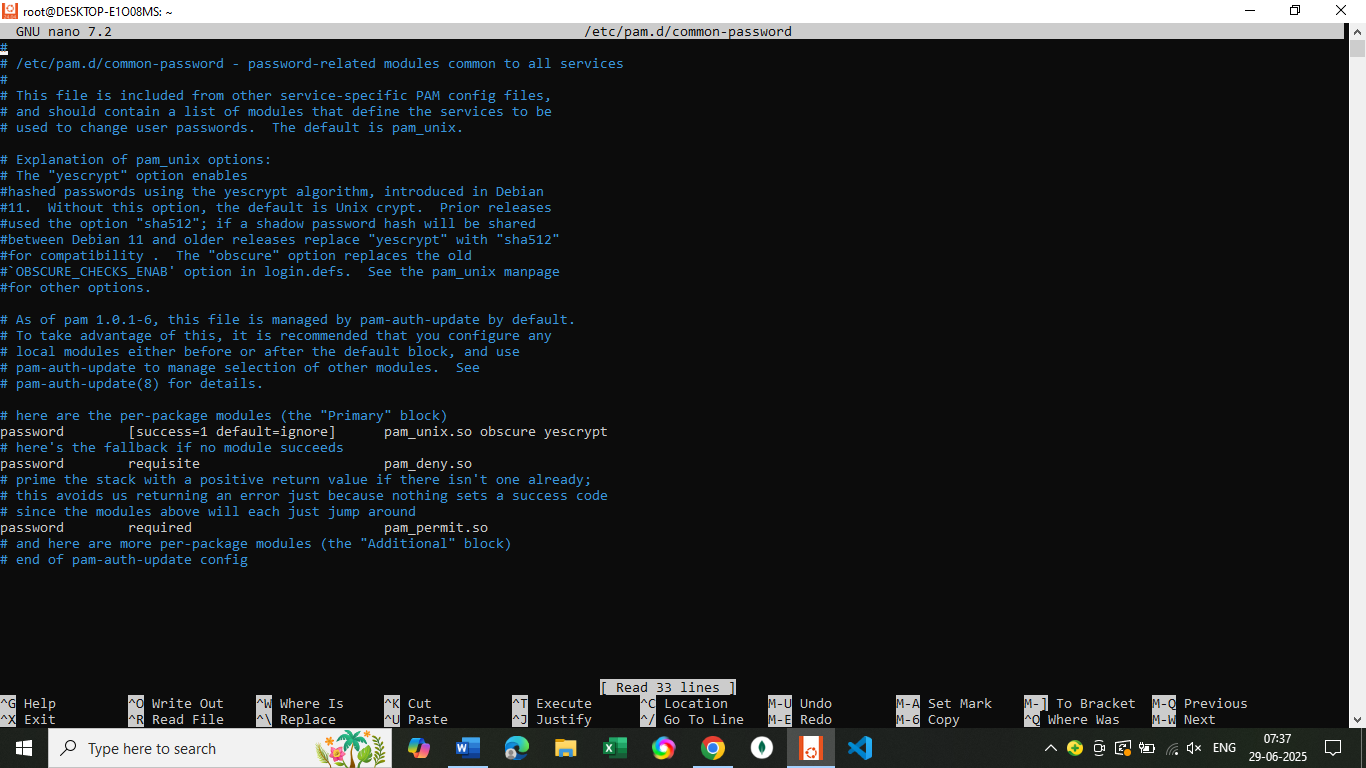
**4.Implement Password Expiration and Complexity Policy**

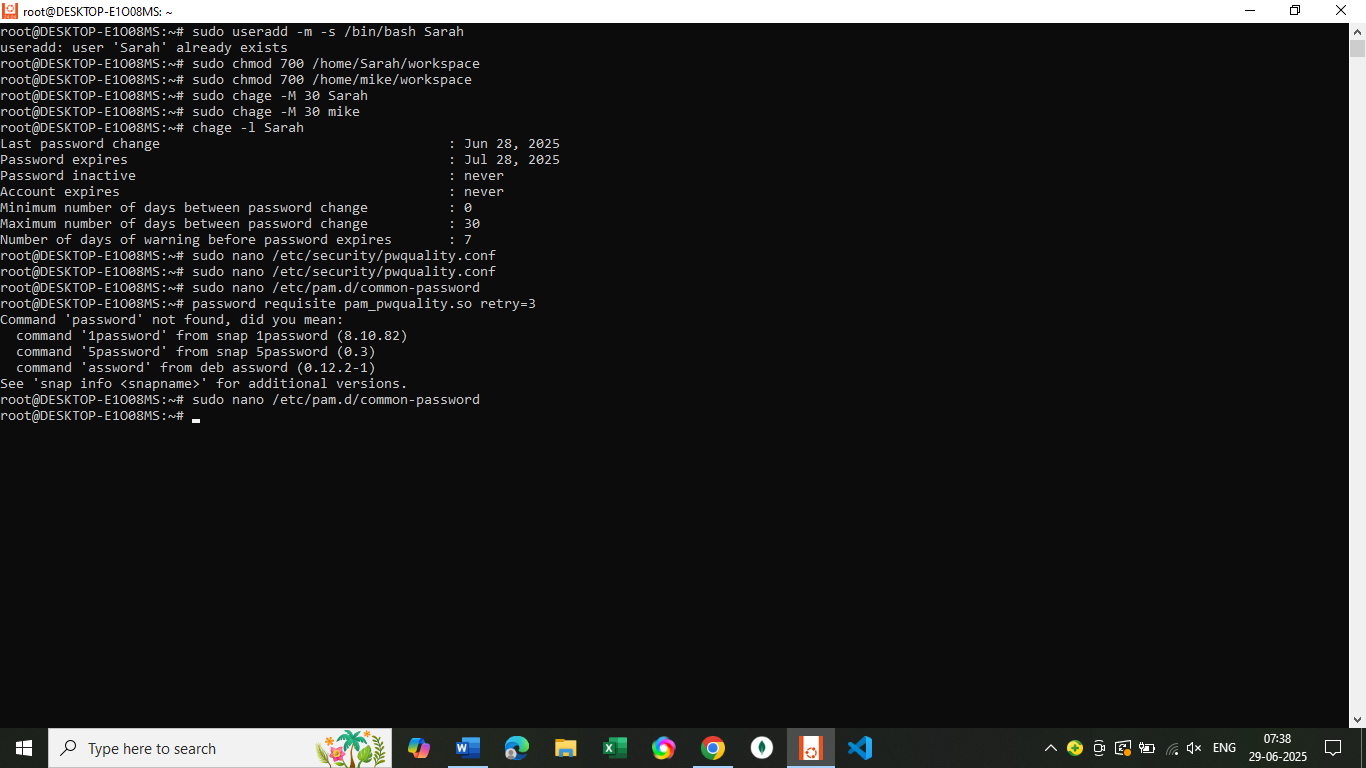


**Password Complexity**

Edit the password policy file:





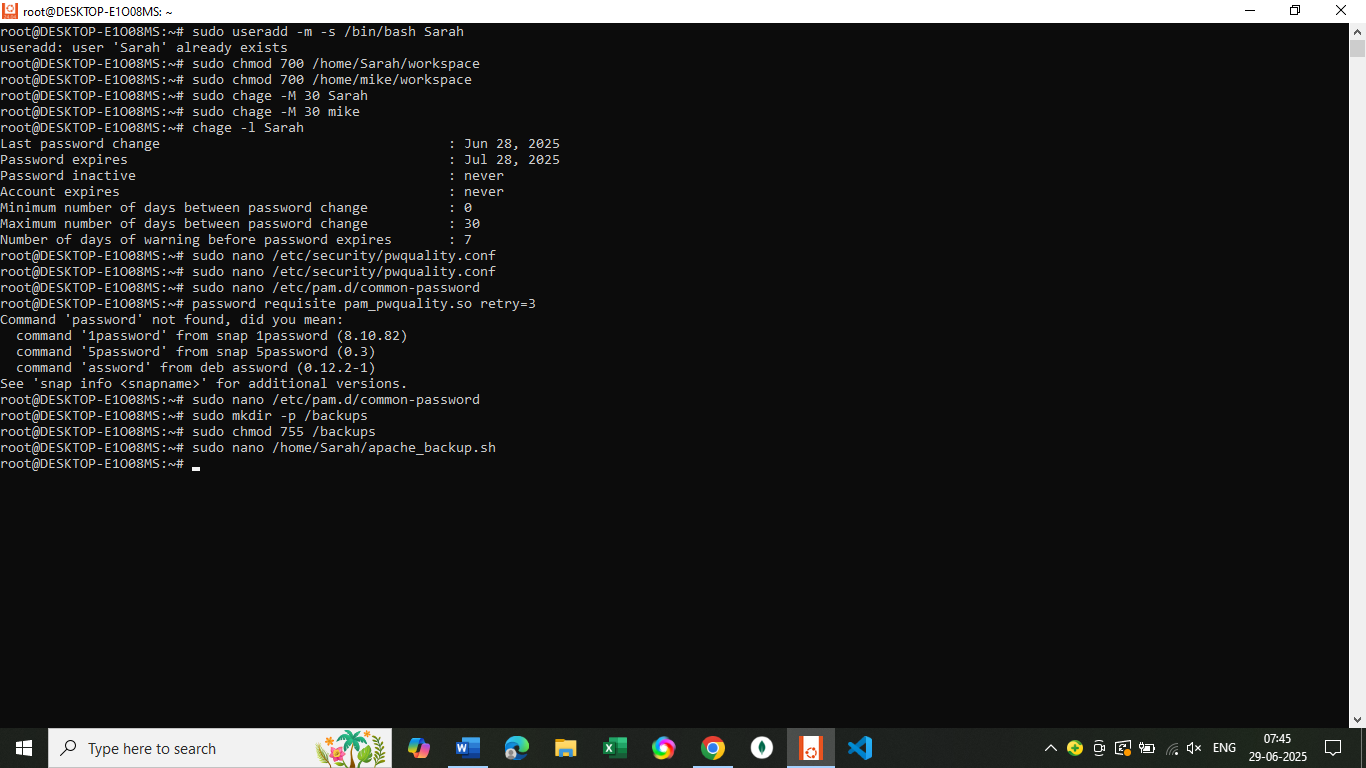


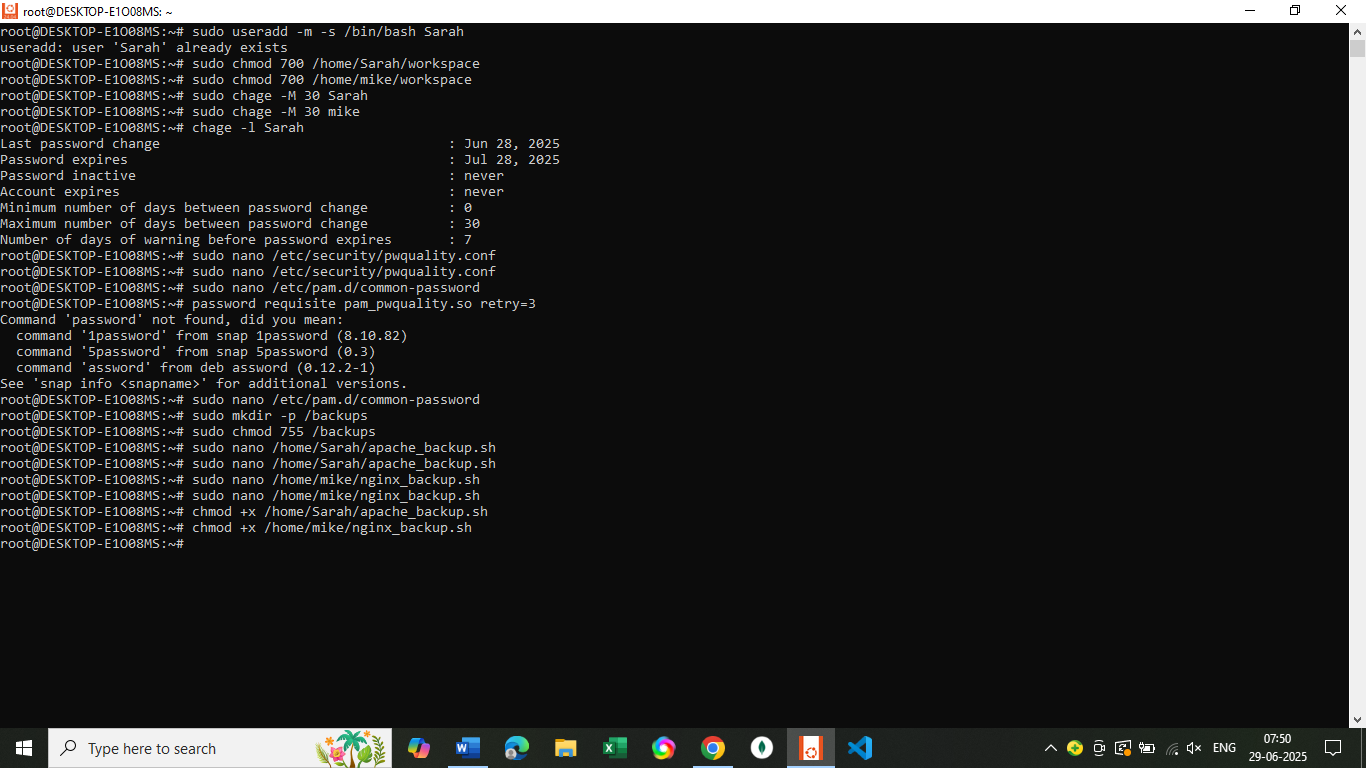
**Task 3: Troubleshooting and Backup Setup**

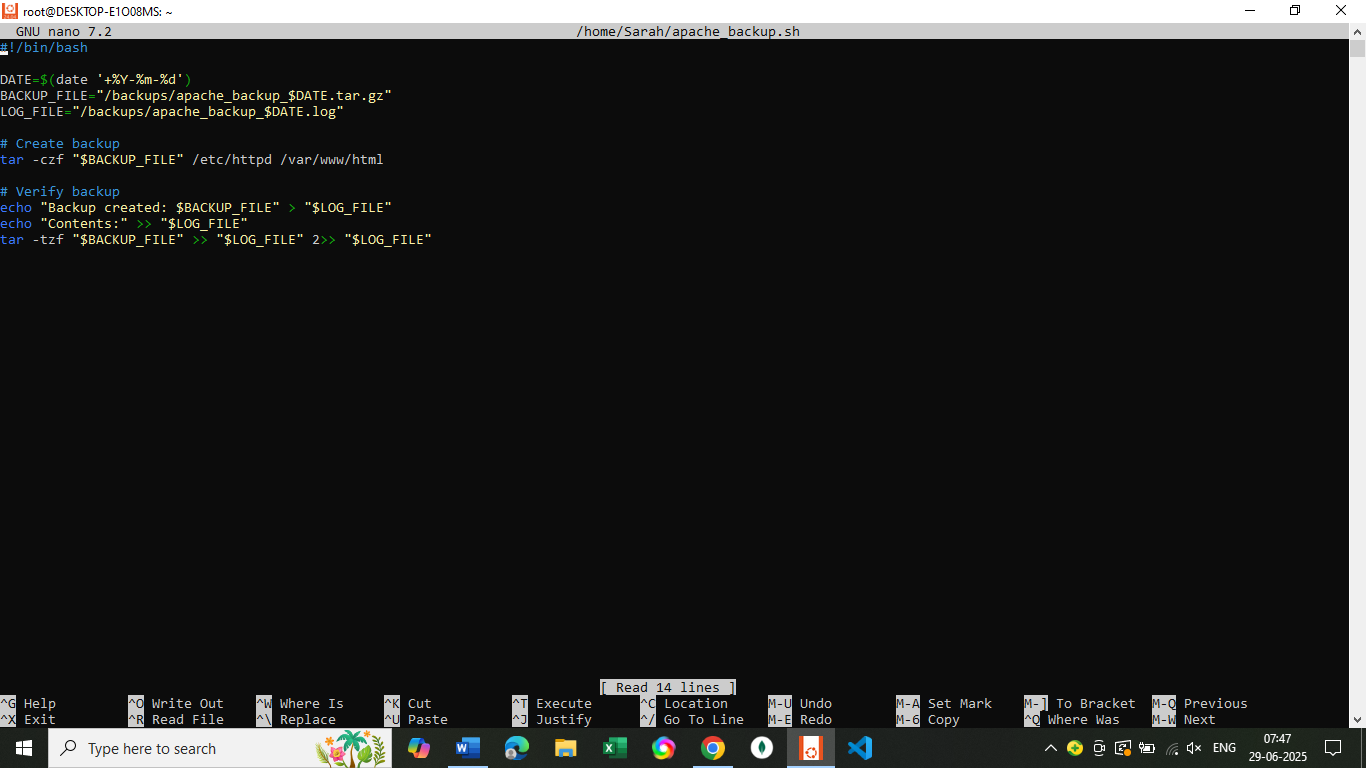
**1. Create Backup Directory**

**sudo mkdir -p /backups**

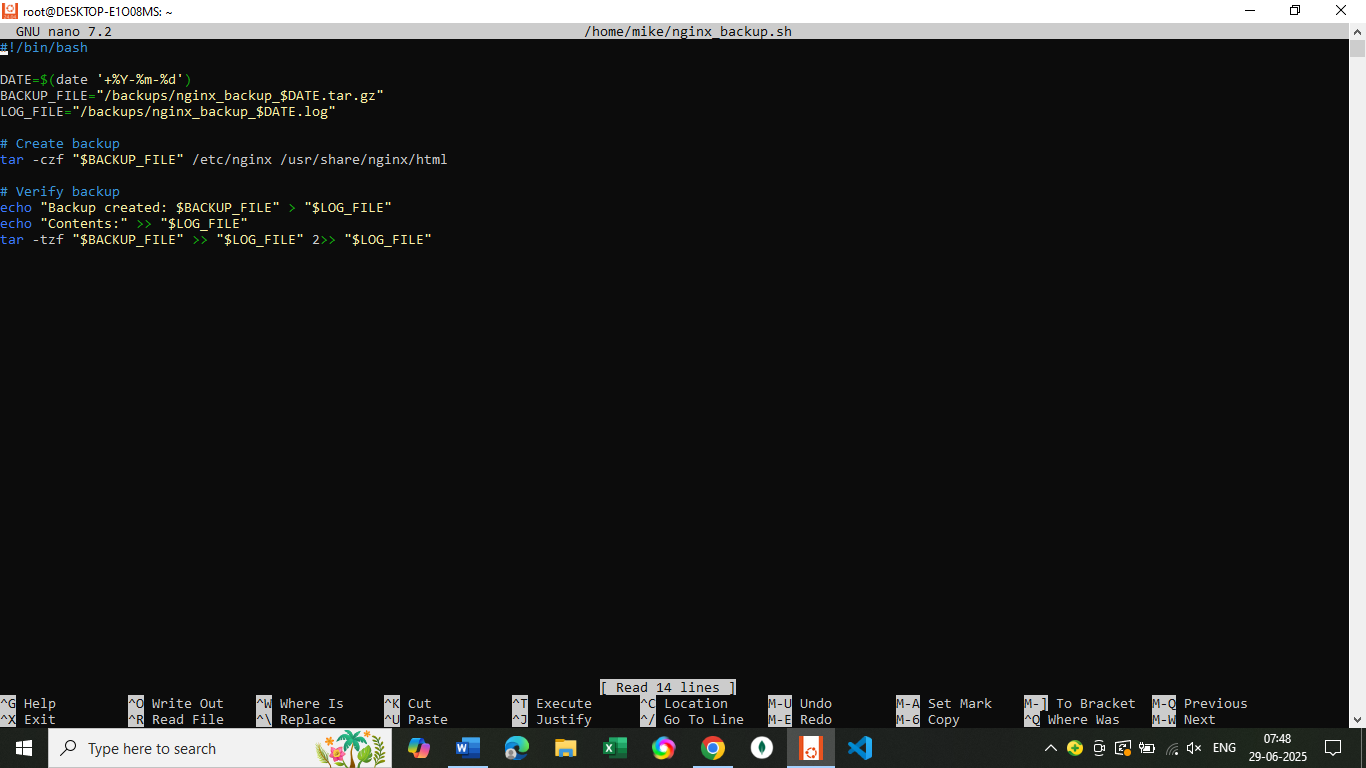
**sudo chmod 755 /backups**

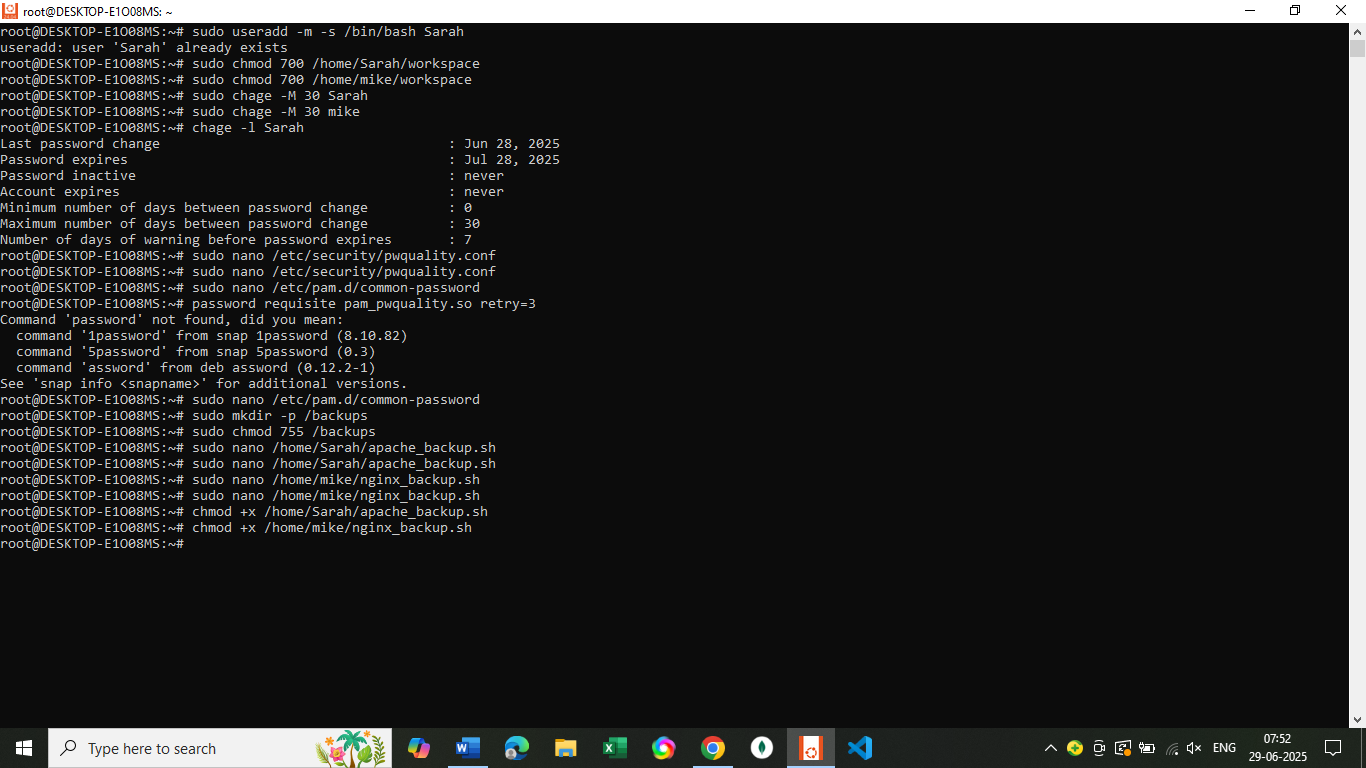


**2.Create Backup Scripts**

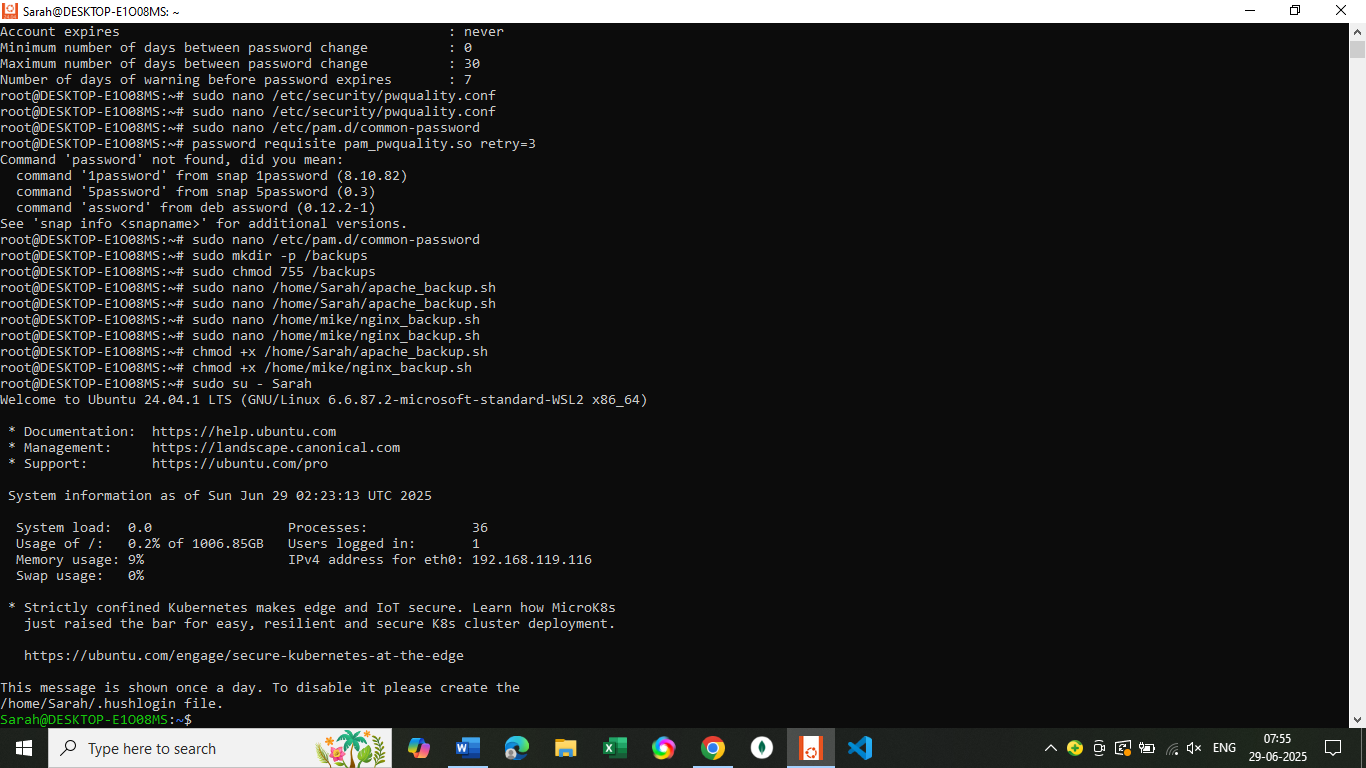
Sarah’s Apache Backup Script: /home/Sarah/apache\_backup.sh  
  


Mike’s Nginx Backup Script: /home/mike/nginx\_backup.sh



Make Both Scripts Executable  
  


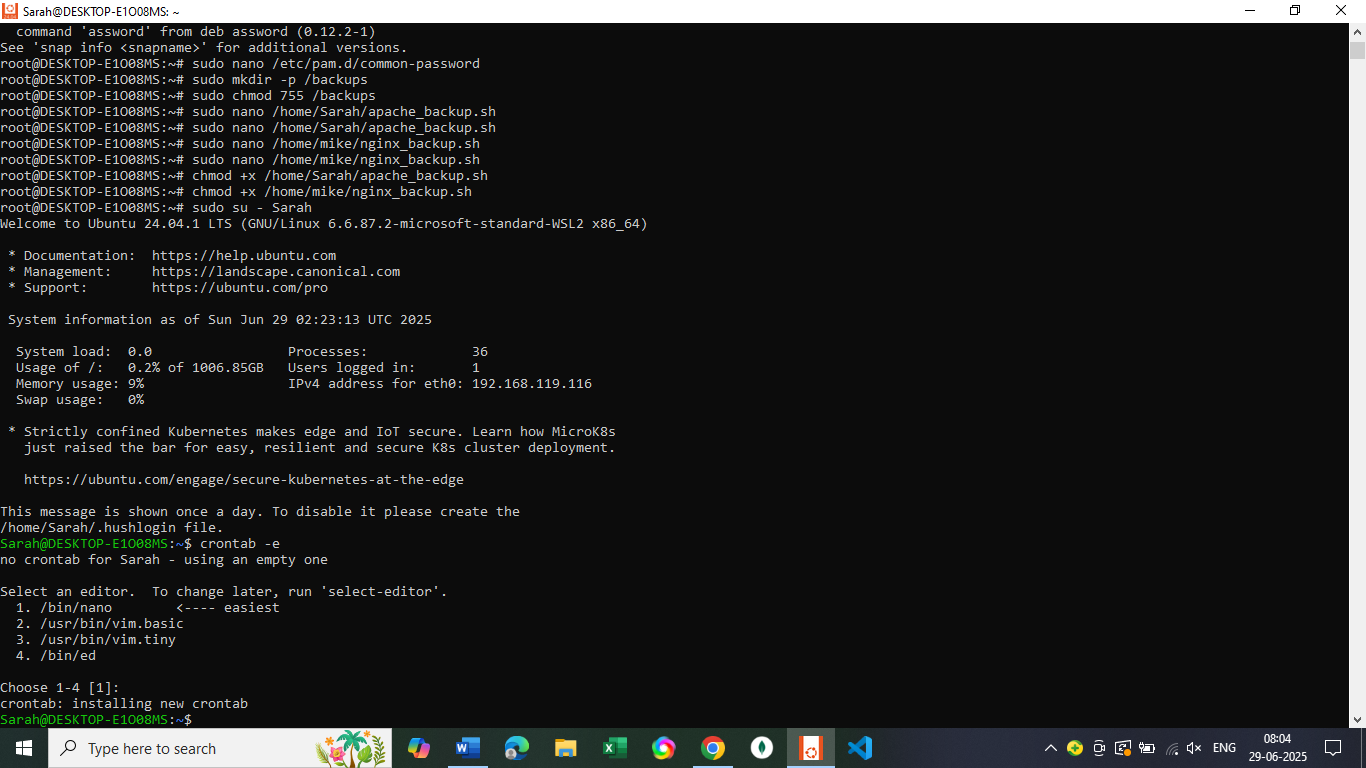
1. Set Up Cron Jobs (Scheduled Backups Every Tuesday at 12:00 AM)



Step-by-Step Instructions to Schedule the Script

1. Switch to user Sarah  
sudo su – Sarah  
  
2. Open the crontab editor  
  
crontab -e  
  
3.Add the cron job

0 0 \* \* 2 /home/Sarah/apache\_backup.sh



Run crontab -e **as Mike** and add:

