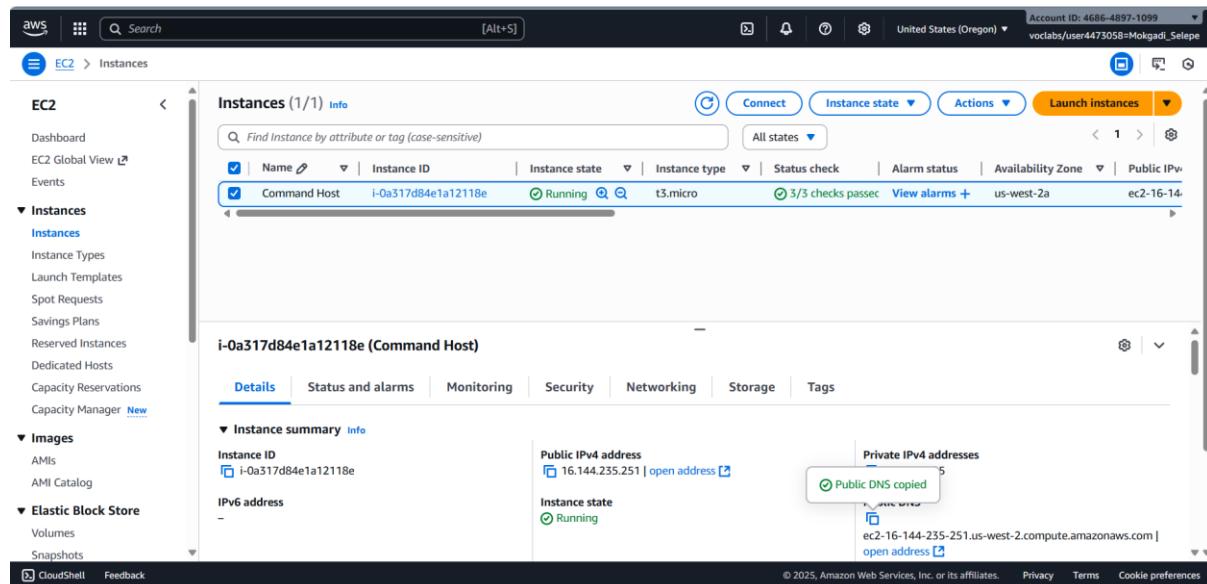


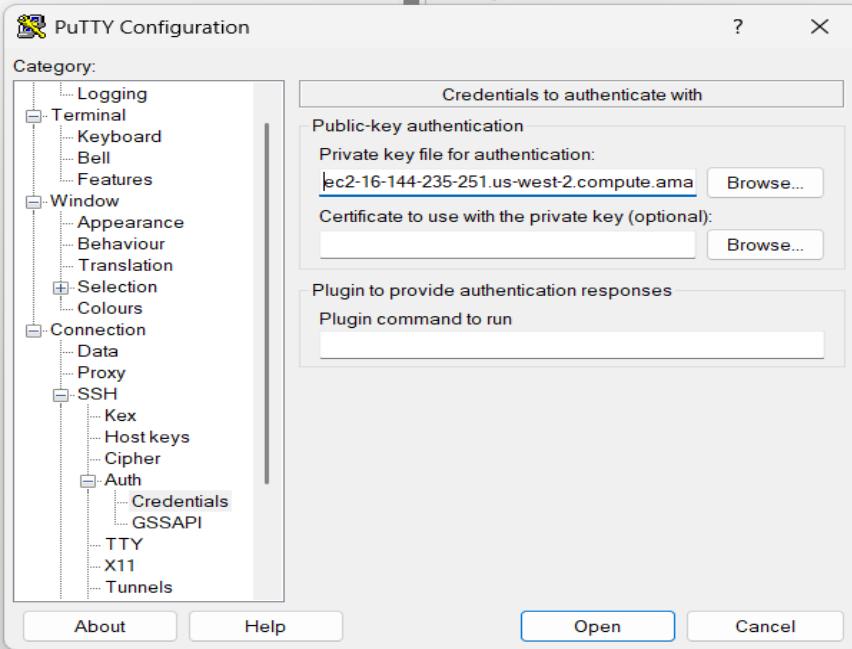
MOKGADI SELEPE (LINUX-BASH SCRIPT)

Your Challenge

1. Write a Bash script based on the following requirements:
 - Creates 25 empty (0 KB) files. (Hint: Use the **touch** command.)
 - The file names should be <yourName><number>, <yourName><number+1>, <yourName><number+2>, and so on.
 - Design the script so that each time you run it, it creates the next batch of 25 files with increasing numbers starting with the last or maximum number that already exists.
 - Do not hard code these numbers. You need to generate them by using automation.
2. Test the script. Display a long list of the directory and its contents to validate that the script created the expected files.



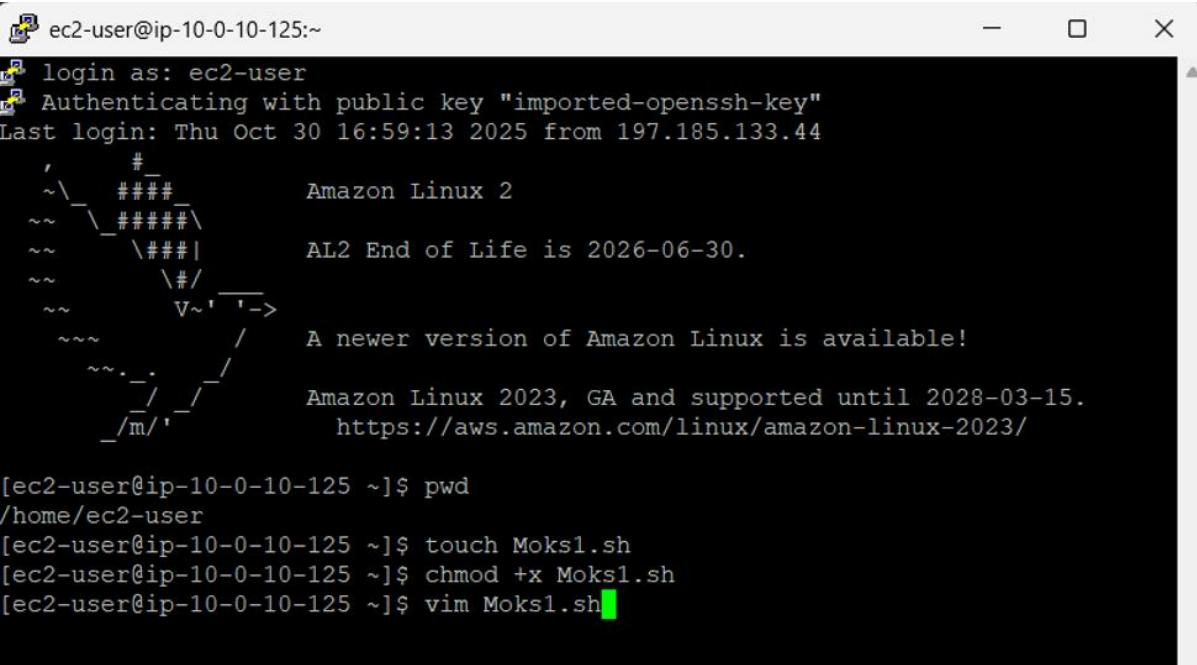
MOKGADI SELEPE (LINUX-BASH SCRIPT)



The PuTTY Configuration dialog is open, showing the 'Auth' section under the 'SSH' category. A private key file named 'ec2-16-144-235-251.us-west-2.compute.amazonaws.com' is selected for authentication.



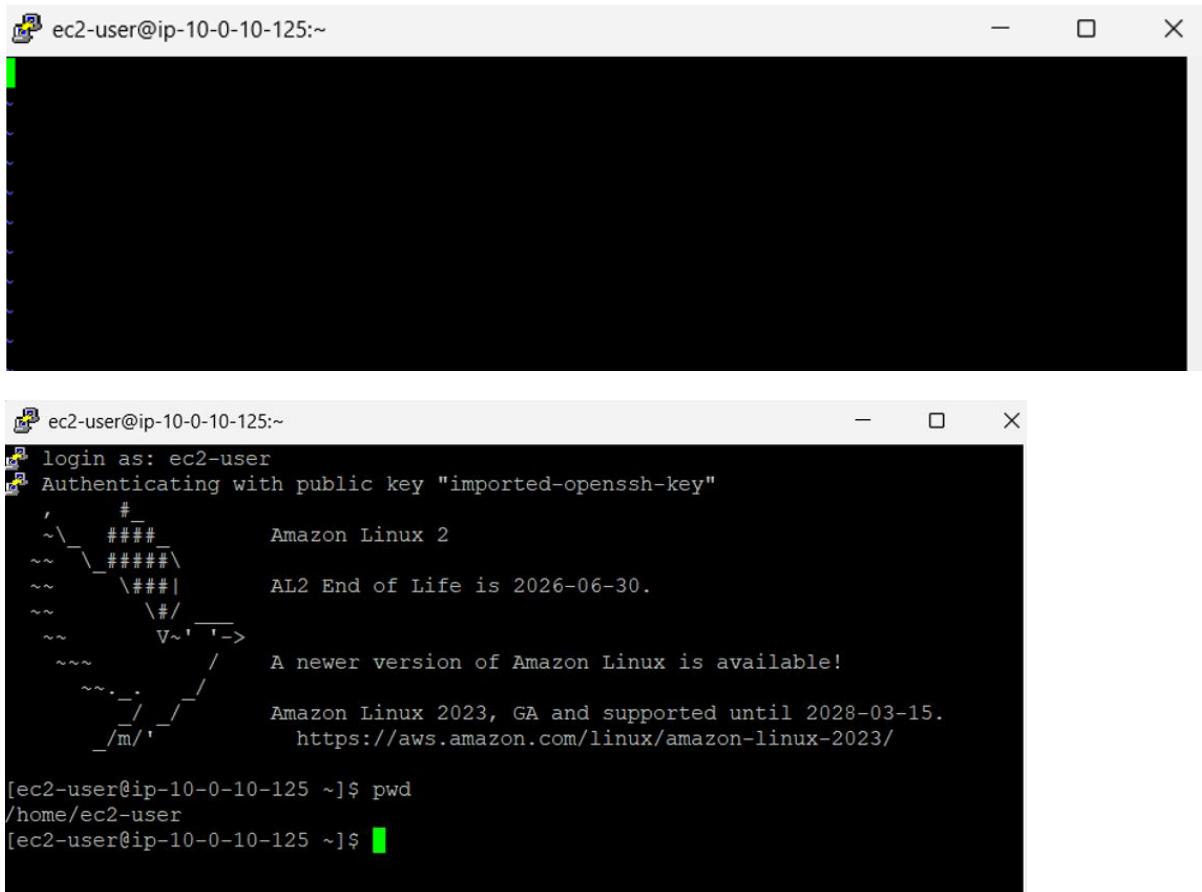
A PuTTY terminal window titled 'ec2-16-144-235-251.us-west-2.compute.amazonaws.com - PuTTY' is shown. It displays a login prompt: 'login as:'. The terminal window has a dark background and light text.



A PuTTY terminal window titled 'ec2-user@ip-10-0-10-125:~' is shown. It displays the Amazon Linux 2 welcome message, which includes a stylized logo and information about the end of life in 2026. The terminal window has a dark background and light text.

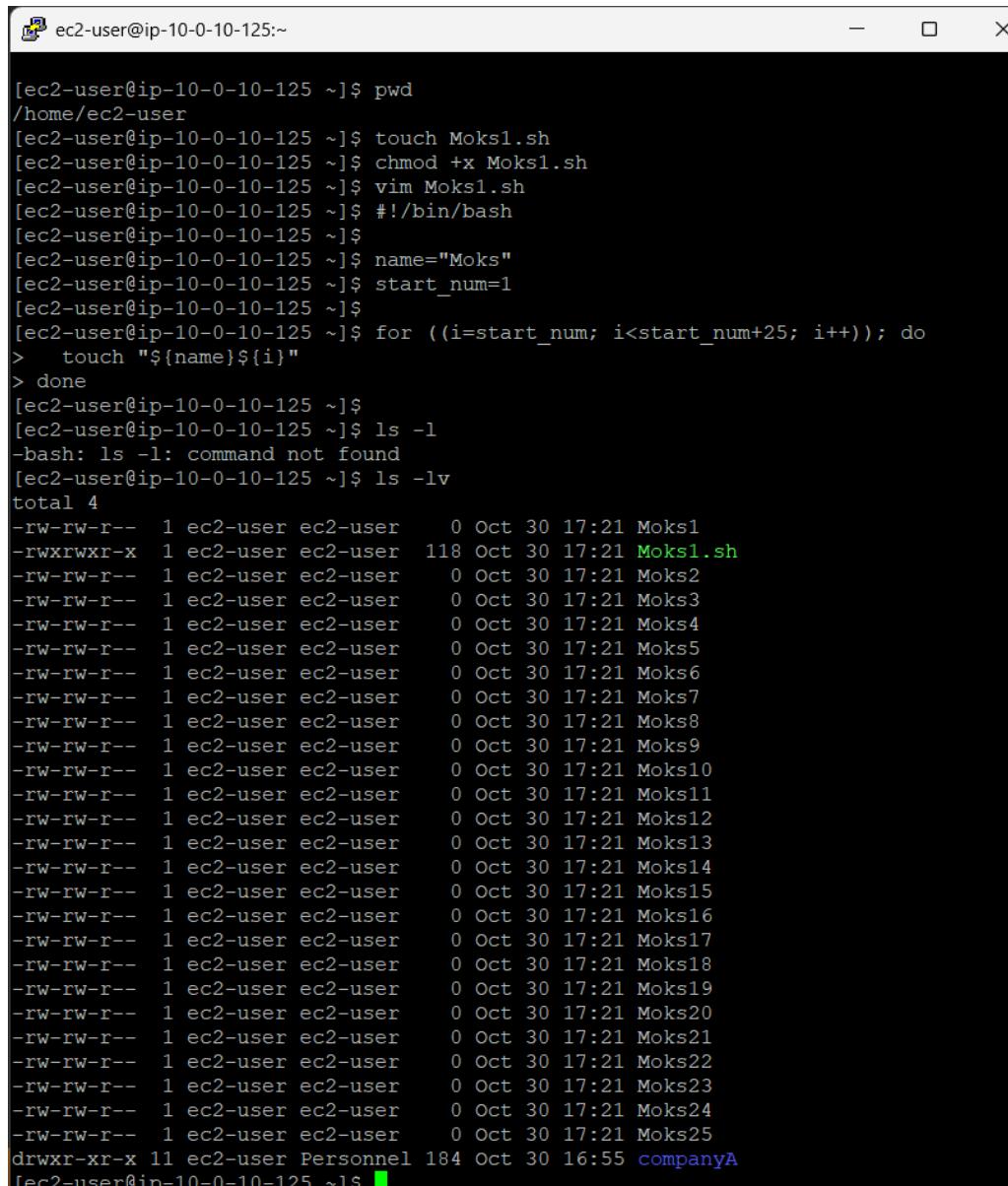
```
[ec2-user@ip-10-0-10-125 ~]$ pwd
/home/ec2-user
[ec2-user@ip-10-0-10-125 ~]$ touch Moks1.sh
[ec2-user@ip-10-0-10-125 ~]$ chmod +x Moks1.sh
[ec2-user@ip-10-0-10-125 ~]$ vim Moks1.sh
```

MOKGADI SELEPE (LINUX-BASH SCRIPT)



```
ec2-user@ip-10-0-10-125:~  
[ec2-user@ip-10-0-10-125:~] login as: ec2-user  
[ec2-user@ip-10-0-10-125:~] Authenticating with public key "imported-openssh-key"  
[ec2-user@ip-10-0-10-125:~] ~\_\#\#\#_# Amazon Linux 2  
[ec2-user@ip-10-0-10-125:~] ~~\_\#\#\#\#\_\ AL2 End of Life is 2026-06-30.  
[ec2-user@ip-10-0-10-125:~] ~~\#\#/ V~' \_\_>  
[ec2-user@ip-10-0-10-125:~] ~~~ / A newer version of Amazon Linux is available!  
[ec2-user@ip-10-0-10-125:~] ~~\_\_/_/_/ Amazon Linux 2023, GA and supported until 2028-03-15.  
[ec2-user@ip-10-0-10-125:~] ~~\_\_/_/_/_/ https://aws.amazon.com/linux/amazon-linux-2023/  
[ec2-user@ip-10-0-10-125:~] $ pwd  
[ec2-user@ip-10-0-10-125:~] $
```

MOKGADI SELEPE (LINUX-BASH SCRIPT)



```
[ec2-user@ip-10-0-10-125 ~]$ pwd
/home/ec2-user
[ec2-user@ip-10-0-10-125 ~]$ touch Moks1.sh
[ec2-user@ip-10-0-10-125 ~]$ chmod +x Moks1.sh
[ec2-user@ip-10-0-10-125 ~]$ vim Moks1.sh
[ec2-user@ip-10-0-10-125 ~]$ #!/bin/bash
[ec2-user@ip-10-0-10-125 ~]$ 
[ec2-user@ip-10-0-10-125 ~]$ name="Moks"
[ec2-user@ip-10-0-10-125 ~]$ start_num=1
[ec2-user@ip-10-0-10-125 ~]$ 
[ec2-user@ip-10-0-10-125 ~]$ for ((i=start_num; i<start_num+25; i++)); do
>   touch "${name}${i}"
> done
[ec2-user@ip-10-0-10-125 ~]$ 
[ec2-user@ip-10-0-10-125 ~]$ ls -l
-bash: ls -l: command not found
[ec2-user@ip-10-0-10-125 ~]$ ls -lv
total 4
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks1
-rwxrwxr-x 1 ec2-user ec2-user 118 Oct 30 17:21 Moks1.sh
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks2
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks3
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks4
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks5
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks6
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks7
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks8
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks9
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks10
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks11
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks12
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks13
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks14
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks15
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks16
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks17
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks18
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks19
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks20
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks21
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks22
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks23
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks24
-rw-rw-r-- 1 ec2-user ec2-user 0 Oct 30 17:21 Moks25
drwxr-xr-x 11 ec2-user Personnel 184 Oct 30 16:55 companyA
[ec2-user@ip-10-0-10-125 ~]$
```

I created a Bash script that:

1. Generates 25 empty files with names like Moks1.
2. Each time the script runs, it creates the next batch of 25 files with increasing numbers.
3. The script will automatically determine the starting number based on existing files.
4. I tested the script and listed the directory contents to verify the results.

The script created files with names like Moks1, Moks2, Moks3, and so on. Each time I ran the script, it created the next 25 files.
