

Instances | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

EC2 Dashboard

Instances (1/1) info

Find Instance by attribute or tag (case-sensitive)

All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
shell-practice	i-0294d84f1873c904e	Running	t3.micro	Initializing	View alarms

i-0294d84f1873c904e (shell-practice)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary info

Instance ID: i-0294d84f1873c904e (shell-practice)

Public IPv4 address copied: 54.197.218.1 | open address

Private IPv4 addresses: 172.31.32.223

CloudShell Feedback

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27°C Partly sunny

SupportPuTTY - shell-practice

Protocol SSH Host 54.197.218.1 Login Password Session daws-81s

Commands

shell-practice

Using username "ec2-user".

ec2-user@54.197.218.1's password:

HELLO

Disclaimer:

This image is designed for only for the lab purpose of learning DevOps and not recommended at all to use in production or any company environments.

54.197.218.1 | 172.31.32.223 | t3.micro | null

[ ec2-user@ip-172-31-32-223 ~ ]\$

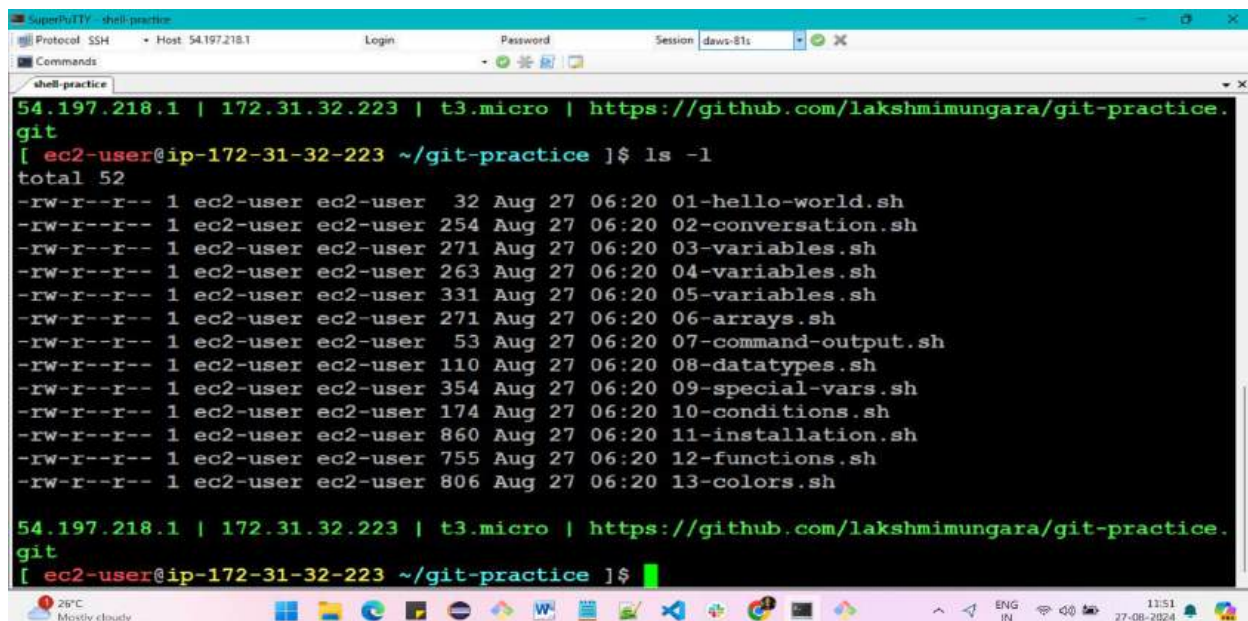
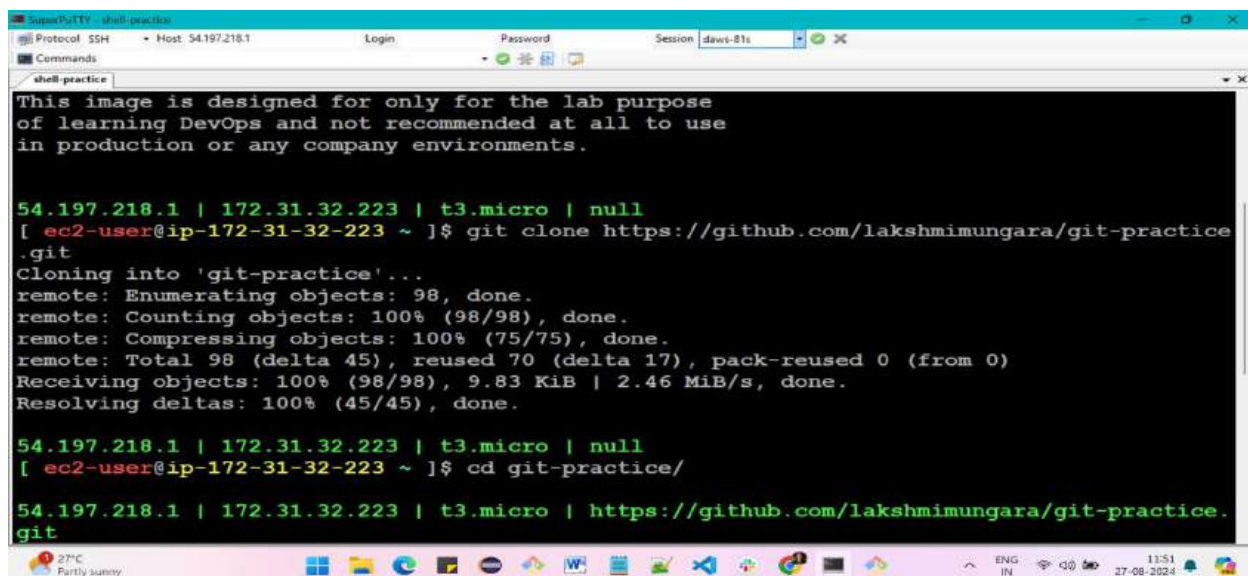
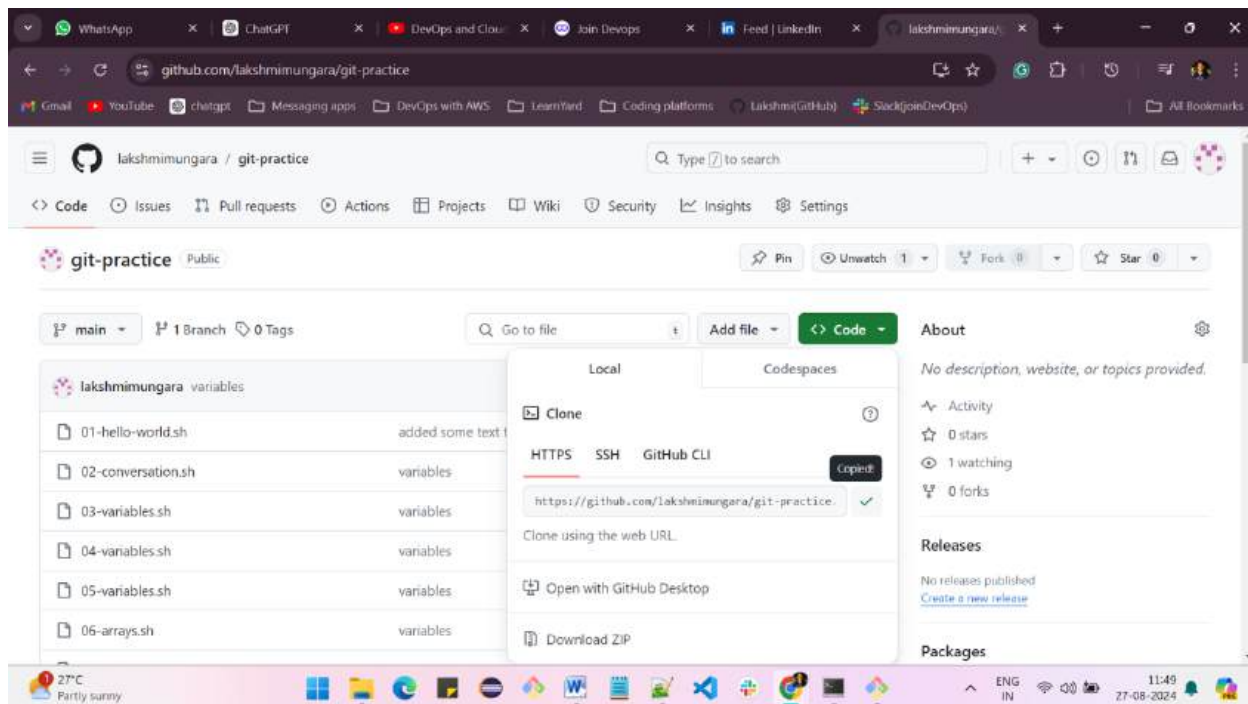
Nifty bank +0.13%

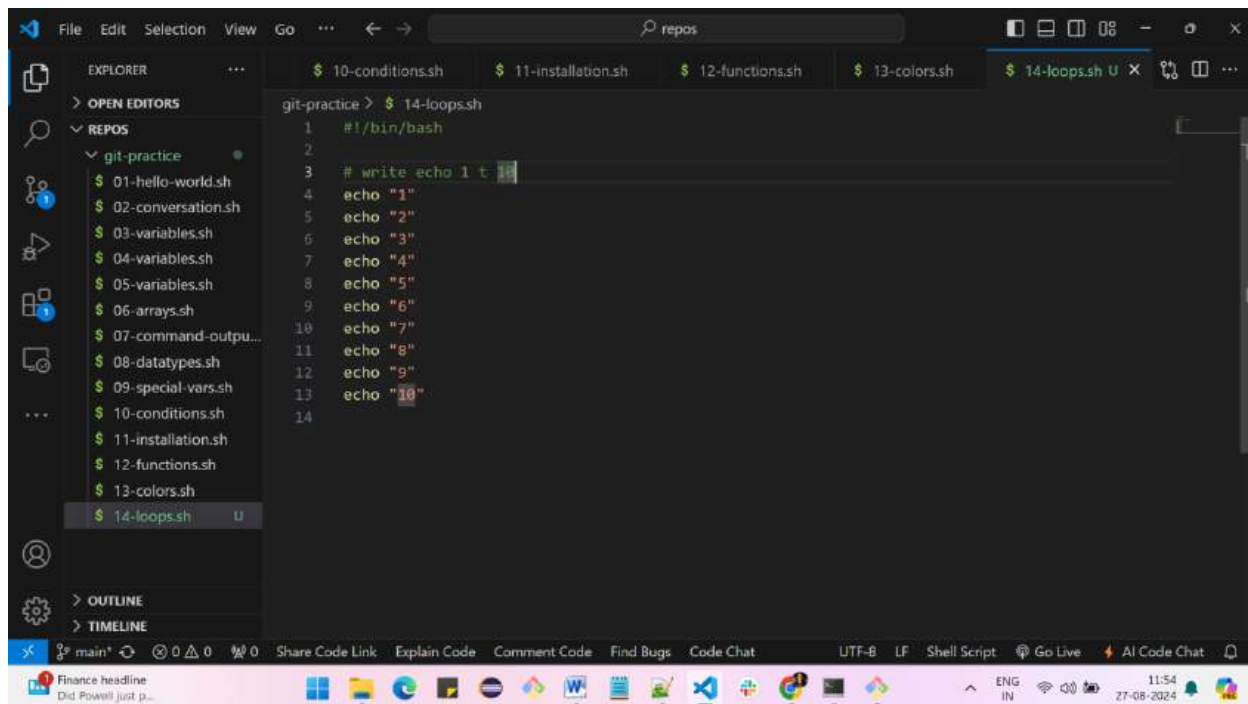
27°C Partly sunny

MINGW64 /c/devops/daws-81s/repos/git-practice

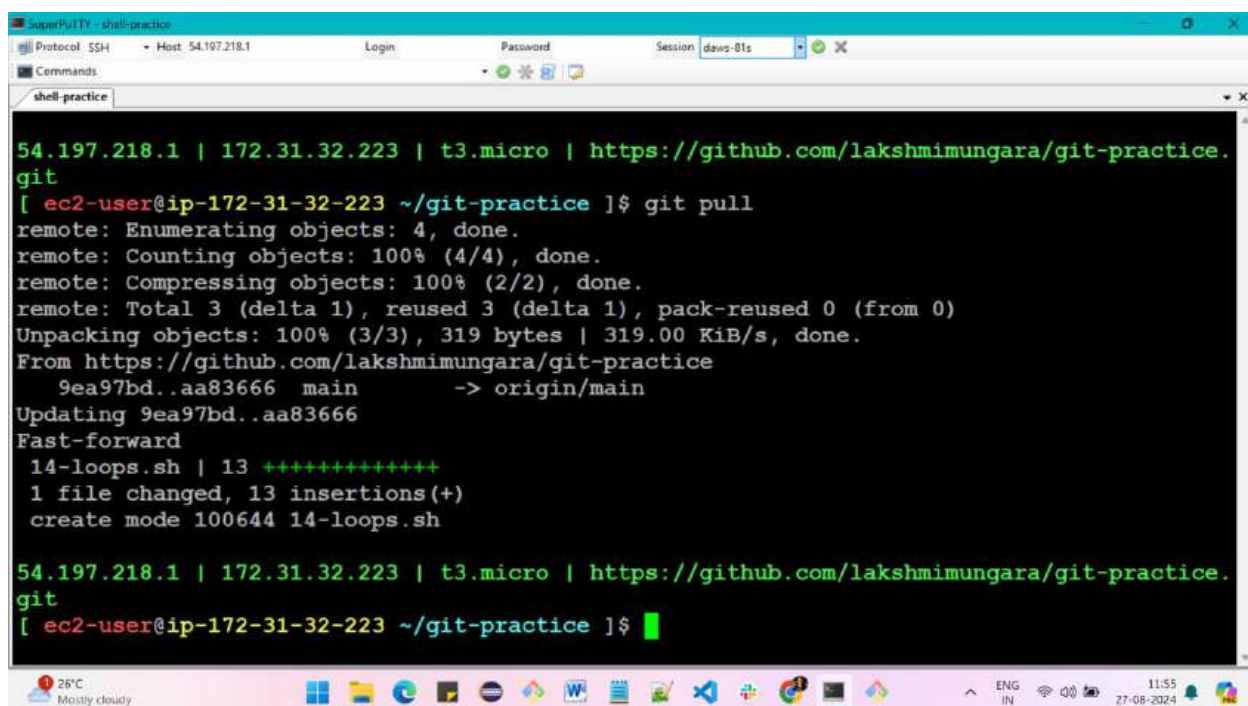
```
91911@LakshmiMungara MINGW64 ~
$ cd /c/devops/daws-81s/repos/
91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos
$ pwd
/c/devops/daws-81s/repos
91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos
$ cd git-practice/
91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/git-prac
tice (main)
$ git add .; git commit -m "variables"; git push origin main
On branch main
Your branch is up to date with 'origin/main'.
nothing to commit, working tree clean
Everything up-to-date
91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/git-practice (main)
$ |
```

27°C Partly sunny





```
91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/git-practice (main)
$ git add . ; git commit -m "variables"; git push origin main
warning: in the working copy of '14-loops.sh', LF will be replaced by CRLF the next time Git touches it
[main aa83666] variables
 1 file changed, 13 insertions(+)
 create mode 100644 14-loops.sh
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 339 bytes | 339.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/lakshmiMungara/git-practice.git
 9ea97bd..aa83666 main -> main
$
```





```
SuperPuTTY - shell-practice
Protocol SSH Host: 54.197.218.1 Login: Password: Session: daws-81s
Commands
shell-practice

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ sh 14-loops.sh
1
2
3
4
5
6
7
8
9
10

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$
```

```
File Edit Selection View Go ... repos
EXPLORER
OPEN EDITORS
git-practice > $ 14-loops.sh
REPOS
git-practice
$ 01-hello-world.sh
$ 02-conversation.sh
$ 03-variables.sh
$ 04-variables.sh
$ 05-variables.sh
$ 06-arrays.sh
$ 07-command-output...
$ 08-datatypes.sh
$ 09-special-vars.sh
$ 10-conditions.sh
$ 11-installation.sh
$ 12-functions.sh
$ 13-colors.sh
$ 14-loops.sh M
OUTLINE
TIMELINE
git-practice > $ 14-loops.sh
6 # echo "3"
7 # echo "4"
8 # echo "5"
9 # echo "6"
10 # echo "7"
11 # echo "8"
12 # echo "9"
13 # echo "10"
14
15 for i in {0..100}
16 do
17 | echo $i
18 done
main* 0 0 0 0 Share Code Link Explain Code Comment Code Find Bugs Code Chat UTF-8 LF Shell Script Go Live AI Code Chat
```

```
91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/git-practice (main)
$ git add . ; git commit -m "variables"; git push origin main
warning: in the working copy of '14-loops.sh', LF will be replaced by CRLF the next time Git touches it
[main 7a48e75] variables
1 file changed, 16 insertions(+), 11 deletions(-)
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 351 bytes | 351.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/lakshmimungara/git-practice.git
aa83666..7a48e75 main -> main
91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/git-practice (main)
$
```

```
SuperPuTTY - shell-practice
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
shell-practice

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 1), reused 3 (delta 1), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 331 bytes | 331.00 KiB/s, done.
From https://github.com/lakshmimungara/git-practice
aa83666..7a48e75 main -> origin/main
Updating aa83666..7a48e75
Fast-forward
 14-loops.sh | 27 ++++++-----
 1 file changed, 16 insertions(+), 11 deletions(-)

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$
```

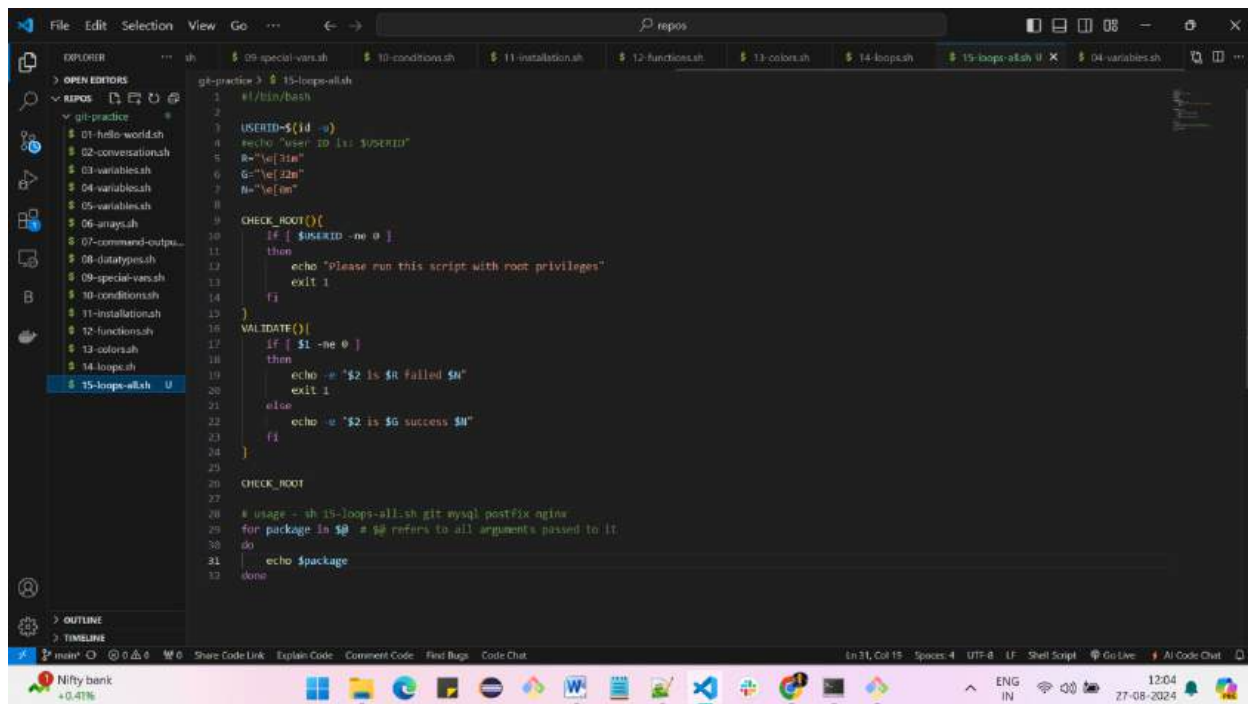
```
SuperPuTTY - shell-practice
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
shell-practice

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ sh 14-loops.sh
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
```

```
SuperPuTTY - shell-practice
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
shell-practice

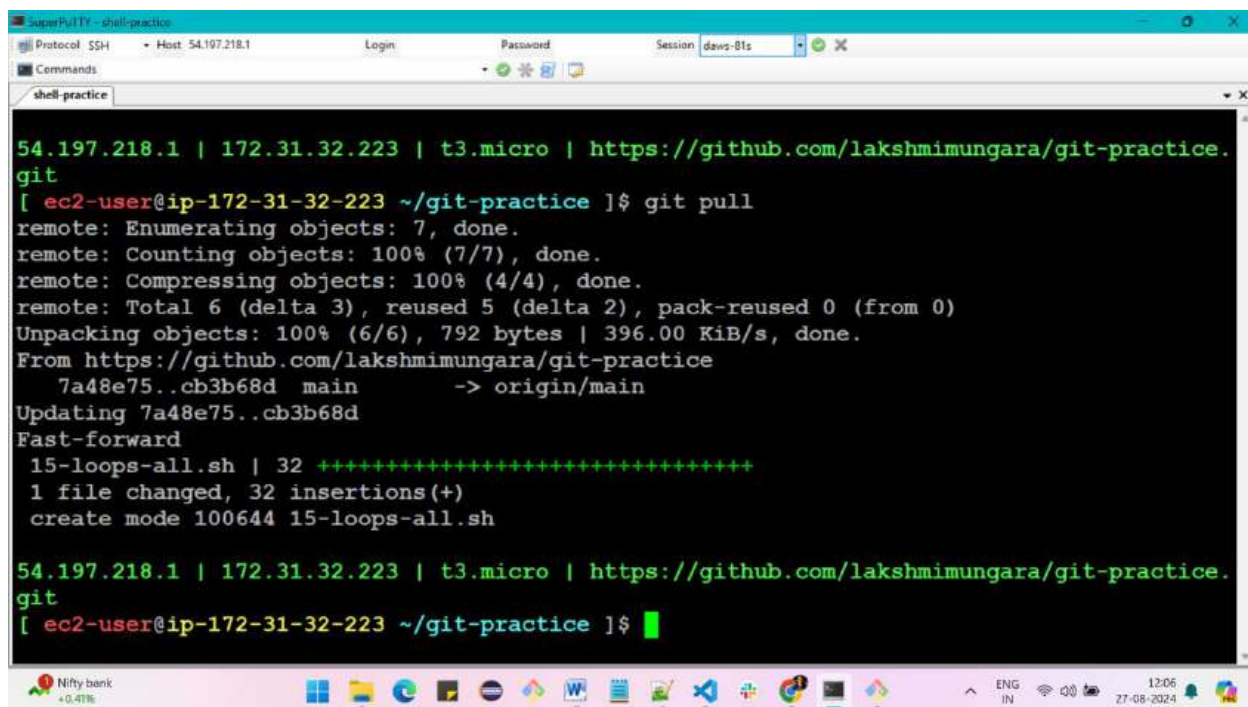
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$
```



```
91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/git-practice (main)
$ git add . ; git commit -m "loops"; git push origin main
warning: in the working copy of '15-loops-all.sh', LF will be replaced by CRLF the next time Git touches it
[main cb3b68d] loops
1 file changed, 1 insertion(+), 1 deletion(-)
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
writing objects: 100% (3/3), 284 bytes | 284.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/lakshmiMungara/git-practice.git
02d3ca4..cb3b68d main -> main

91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/git-practice (main)
$
```





```
SuperPuTTY - shell-practice
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
shell-practice
54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ sh 15-loops-all.sh
Please run this script with root privileges
54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ sudo sh 15-loops-all.sh
54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ sudo sh 15-loops-all.sh git mysql postfix nginx
git
git
mysql
postfix
nginx
54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$
```

```
File Edit Selection View Go repos
git-practice > 15-loops-all.sh
1 #!/bin/bash
2
3 USERID=$(id -u)
4 if [ "$USERID" != "0" ]; then
5     echo "Please run this script with root privileges"
6     exit 1
7 fi
8
9 CHECK_ROOT() {
10     if [ $USERID != 0 ]; then
11         echo "Please run this script with root privileges"
12         exit 1
13     fi
14 }
15
16 VALIDATE() {
17     if [ $1 != 0 ]; then
18         echo "S2 is $1 failed $1"
19         exit 1
20     else
21         echo "S2 is $1 success $1"
22     fi
23 }
24
25 CHECK_ROOT
26
27 # usage - sh 15-loops-all.sh git mysql postfix nginx
28 for package in $@; do
29     # $@ refers to all arguments passed to it
30     if [ $1 != 0 ]; then
31         echo "Package is not installed, going to install it now.."
32         def install $package
33         def install $package
34         VALIDATE $? "Installing $package"
35     else
36         echo "Package is already installed.. nothing to do"
37     fi
38 done
```

```
91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/git-practice (main)
$ git add . ; git commit -m "loops"; git push origin main
warning: in the working copy of '15-loops-all.sh', LF will be replaced by CRLF the next time git touches it
[main 6d2084d] loops
1 file changed, 9 insertions(+), 1 deletion(-)
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 446 bytes | 446.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/lakshmimungara/git-practice.git
cb3b68d..6d2084d main -> main
91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/git-practice (main)
```

```
SupaPuTTY - shell-practice
Protocol SSH Host: 54.197.218.1 Login Password Session: daws-81s
Commands
shell-practice

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (1/1), done.
remote: Total 3 (delta 2), reused 3 (delta 2), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 426 bytes | 426.00 KiB/s, done.
From https://github.com/lakshmimungara/git-practice
   cb3b68d..6d2084d  main       -> origin/main
Updating cb3b68d..6d2084d
Fast-forward
 15-loops-all.sh | 10 ++++++++
 1 file changed, 9 insertions(+), 1 deletion(-)

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$
```

```
SupaPuTTY - shell-practice
Protocol SSH Host: 54.197.218.1 Login Password Session: daws-81s
Commands
shell-practice

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ sudo sh 15-loops-all.sh git mysql postfix nginx
Installed Packages
git.x86_64 2.43.0-1.el9 @rhel-9-appstream-rhui-rpms
git is already installed.. nothing to do
Error: No matching Packages to list
mysql is not installed, going to install it now..
Extra Packages for Enterprise Linux 9 - x86_64 19 MB/s | 22 MB 00:01
Extra Packages for Enterprise Linux 9 openh264 (From Ciss 2.3 kB/s | 2.5 kB 00:01
Red Hat Enterprise Linux 9 for x86_64 - AppStream from R 57 MB/s | 39 MB 00:00
Red Hat Enterprise Linux 9 for x86_64 - BaseOS from RHUI 63 MB/s | 29 MB 00:00
Red Hat Enterprise Linux 9 Client Configuration 26 kB/s | 3.2 kB 00:00
Dependencies resolved.

Package Arch Version Repository Size
Installing:
mysql x86_64 8.0.36-1.el9_3 rhel-9-appstream-rhui-rpms 2.7 M
```

```
SupaPuTTY - shell-practice
Protocol SSH Host: 54.197.218.1 Login Password Session: daws-81s
Commands
shell-practice

Preparing : 1/1
Installing : mariadb-connector-c-config-3.2.6-1.el9_0.noarch 1/3
Installing : mysql-common-8.0.36-1.el9_3.x86_64 2/3
Installing : mysql-8.0.36-1.el9_3.x86_64 3/3
Running scriptlet: mysql-8.0.36-1.el9_3.x86_64 3/3
Verifying : mariadb-connector-c-config-3.2.6-1.el9_0.noarch 1/3
Verifying : mysql-8.0.36-1.el9_3.x86_64 2/3
Verifying : mysql-common-8.0.36-1.el9_3.x86_64 3/3

Installed:
mariadb-connector-c-config-3.2.6-1.el9_0.noarch mysql-8.0.36-1.el9_3.x86_64
mysql-common-8.0.36-1.el9_3.x86_64

Complete!
Installing mysql is success
Error: No matching Packages to list
postfix is not installed, going to install it now..
Last metadata expiration check: 0:00:16 ago on Tue Aug 27 06:43:30 2024.
Dependencies resolved.

Package Architecture Version Repository Size
```



```
SuperPuTTY - shell-practice
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
shell-practice

Installing:
postfix      x86_64      2:3.5.9-24.el9      rhel-9-appstream-rhui-rpms      1.5 M
Installing dependencies:
libcicu      x86_64      67.1-9.el9          rhel-9-baseos-rhui-rpms      9.6 M

Transaction Summary
=====
Install 2 Packages

Total download size: 11 M
Installed size: 37 M
Downloading Packages:
(1/2): postfix-3.5.9-24.el9.x86_64.rpm      12 MB/s | 1.5 MB      00:00
(2/2): libcicu-67.1-9.el9.x86_64.rpm        41 MB/s | 9.6 MB      00:00
-----
Total                                         35 MB/s | 11 MB      00:00

Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
```

```
SuperPuTTY - shell-practice
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
shell-practice

Running transaction
Preparing      :                               1/1
Installing     : libcicu-67.1-9.el9.x86_64      1/2
Running scriptlet: postfix-2:3.5.9-24.el9.x86_64 2/2
Installing     : postfix-2:3.5.9-24.el9.x86_64 2/2
Running scriptlet: postfix-2:3.5.9-24.el9.x86_64 2/2
Verifying      : postfix-2:3.5.9-24.el9.x86_64 1/2
Verifying      : libcicu-67.1-9.el9.x86_64      2/2

Installed:
libcicu-67.1-9.el9.x86_64      postfix-2:3.5.9-24.el9.x86_64

Complete!
Installing postfix is success
Waiting for process with pid 13582 to finish.
Error: No matching Packages to list
nginx is not installed, going to install it now..
Last metadata expiration check: 0:00:03 ago on Tue Aug 27 06:43:59 2024.
Dependencies resolved.
=====
Package      Arch      Version      Repository      Size
-----
Package      Arch      Version      Repository      Size
```

```
SuperPuTTY - shell-practice
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
shell-practice

Running scriptlet: nginx-filesystem-1:1.20.1-14.el9_2.1.noarch 1/4
Installing       : nginx-filesystem-1:1.20.1-14.el9_2.1.noarch 1/4
Installing       : nginx-core-1:1.20.1-14.el9_2.1.x86_64      2/4
Installing       : redhat-logos-httpd-90.4-2.el9.noarch       3/4
Installing       : nginx-1:1.20.1-14.el9_2.1.x86_64          4/4
Running scriptlet: nginx-1:1.20.1-14.el9_2.1.x86_64          4/4
Verifying        : nginx-1:1.20.1-14.el9_2.1.x86_64          1/4
Verifying        : nginx-core-1:1.20.1-14.el9_2.1.x86_64      2/4
Verifying        : nginx-filesystem-1:1.20.1-14.el9_2.1.noarch 3/4
Verifying        : redhat-logos-httpd-90.4-2.el9.noarch       4/4

Installed:
nginx-1:1.20.1-14.el9_2.1.x86_64      nginx-core-1:1.20.1-14.el9_2.1.x86_64
nginx-filesystem-1:1.20.1-14.el9_2.1.noarch redhat-logos-httpd-90.4-2.el9.noarch

Complete!
Installing nginx is success

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.
git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$
```

```
SuperPUTTY - shell-practice
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
shell-practice

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ sudo sh 15-loops-all.sh git mysql postfix nginx
Installed Packages
git.x86_64 2.43.0-1.el9 @rhel-9-appstream-rhui-rpms
git is already installed.. nothing to do
Installed Packages
mysql.x86_64 8.0.36-1.el9_3 @rhel-9-appstream-rhui-rpms
mysql is already installed.. nothing to do
Installed Packages
postfix.x86_64 2:3.5.9-24.el9 @rhel-9-appstream-rhui-rpms
postfix is already installed.. nothing to do
Installed Packages
nginx.x86_64 1:1.20.1-14.el9_2.1 @rhel-9-appstream-rhui-rpms
nginx is already installed.. nothing to do

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$
```

```
SuperPUTTY - shell-practice
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
shell-practice

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ cd

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ ls -l
total 4
drwxr-xr-x 3 ec2-user ec2-user 4096 Aug 27 06:42 git-practice

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ ls -l>output.txt

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ ls -l
total 8
drwxr-xr-x 3 ec2-user ec2-user 4096 Aug 27 06:42 git-practice
-rw-r--r-- 1 ec2-user ec2-user 130 Aug 27 06:50 output.txt

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$
```

```
SuperPUTTY - shell-practice
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
shell-practice

[ ec2-user@ip-172-31-32-223 ~ ]$ cat output.txt
total 4
drwxr-xr-x 3 ec2-user ec2-user 4096 Aug 27 06:42 git-practice
-rw-r--r-- 1 ec2-user ec2-user 0 Aug 27 06:50 output.txt

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ lsss >output.txt
-bash: lsss: command not found

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ cat output.txt

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ ls -l 2>output.txt
total 4
drwxr-xr-x 3 ec2-user ec2-user 4096 Aug 27 06:42 git-practice
-rw-r--r-- 1 ec2-user ec2-user 0 Aug 27 06:52 output.txt

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ cat output.txt
```



```
SupertPuTTY - shell-practice
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
shell-practice

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ ls -l &>output.txt

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ cat output.txt
total 4
drwxr-xr-x 3 ec2-user ec2-user 4096 Aug 27 06:42 git-practice
-rw-r--r-- 1 ec2-user ec2-user 0 Aug 27 06:52 output.txt

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ lss &>output.txt

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ cat output.txt
-bash: lss: command not found

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$
```

```
SupertPuTTY - shell-practice
File View Tools Help
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
shell-practice

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ ls -ltr &>output.txt

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ cat output.txt
total 4
drwxr-xr-x 3 ec2-user ec2-user 4096 Aug 27 06:42 git-practice
-rw-r--r-- 1 ec2-user ec2-user 0 Aug 27 06:55 output.txt

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$
```

```
SupertPuTTY - 54.197.218.1
Protocol SSH Host 54.197.218.1 Login Password Session
Commands
54.197.218.1

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ sudo su -
Last login: Tue Aug 27 06:58:39 UTC 2024 on pts/0

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ root@ip-172-31-32-223 ~ ]# cd /var/log

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ root@ip-172-31-32-223 /var/log ]# ls -l
total 872
lrwxrwxrwx. 1 root root 39 Feb 22 2024 README -> ../../usr/share/doc/systemd/README.lo
gs
drwx----- 3 root root 17 Jun 24 13:09 amazon
drwx----- 2 root root 23 Jun 24 13:08 audit
-rw-rw---- 1 root utmp 1152 Aug 27 07:38 btmp
-rw-r--r-- 1 root root 339 Aug 27 07:34 choose_repo.log
drwxr-x--- 2 chrony chrony 6 Oct 13 2022 chrony
-rw-r----- 1 root adm 3610 Aug 27 06:12 cloud-init-output.log
-rw-r----- 1 root root 123258 Aug 27 06:12 cloud-init.log
-rw----- 1 root root 1945 Aug 27 07:34 cron
-rw-r--r-- 1 root root 12465 Aug 27 07:34 dnf.librepo.log
-rw-r--r-- 1 root root 33742 Aug 27 07:34 dnf.log
-rw-r--r-- 1 root root 2143 Aug 27 07:34 dnf.rpm.log
-rw-r----- 1 root root 0 Jun 24 13:14 firewallld
-rw-r--r-- 1 root root 1260 Aug 27 07:34 hawkey.log
```



```
SuperPuTTY - 54.197.218.1
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ ls -l
total 8
drwxr-xr-x 3 ec2-user ec2-user 4096 Aug 27 06:42 git-practice
-rw-r--r-- 1 ec2-user ec2-user 130 Aug 27 06:55 output.txt

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ echo "16-redirectors.sh" | cut -d "." -f1
16-redirectors

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ date
Tue Aug 27 07:52:24 UTC 2024

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$
```

```
SuperPuTTY - 54.197.218.1
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
54.197.218.1 | 172.31.32.223 | t3.micro | null
Examples:
Convert seconds since the epoch (1970-01-01 UTC) to a date
$ date --date='@2147483647'

Show the time on the west coast of the US (use tzselect(1) to find TZ)
$ TZ='America/Los_Angeles' date

Show the local time for 9AM next Friday on the west coast of the US
$ date --date='TZ="America/Los_Angeles" 09:00 next Fri'

GNU coreutils online help: <https://www.gnu.org/software/coreutils/>
Report any translation bugs to <https://translationproject.org/team/>
Full documentation <https://www.gnu.org/software/coreutils/date>
or available locally via: info '(coreutils) date invocation'

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ date +%Y-%m-%d-%H-%M-%S
2024-08-27-07-54-26

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$
```

```
SuperPuTTY - 54.197.218.1
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ sudo mkdir /var/log/shell-script

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ sudo mkdir /var/log/shell-script
mkdir: cannot create directory '/var/log/shell-script': File exists

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ sudo mkdir -p /var/log/shell-script

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$
```

```
git-practice > 16-redirectors.sh
1 #!/bin/bash
2
3 LOGS_FOLDER="/var/log/shell-script"
4 SCRIPT_NAME=$(echo $0 | cut -d "." -f 1)
5 TIMESTAMP=$(date +%Y-%m-%d-%H-%M-%S)
6 LOG_FILE="$LOGS_FOLDER/$SCRIPT_NAME-$TIMESTAMP.log"
7 mkdir -p $LOGS_FOLDER
8
9 USERID=$(id -u)
10 echo "user ID is: $USERID"
11 # echo "id is: $USERID"
12 # echo "id is: $USERID"
13 # echo "id is: $USERID"
14
15 CHECK_ROOT(){
16     if [ $USERID -ne 0 ]
17     then
18         echo -e "\n Please run this script with root privileges \n" >>>LOG_FILE
19         exit 1
20     fi
21 }
22
23 VALIDATE(){
24     if [ $1 -ne 0 ]
25     then
26         echo -e "\n $2 is $1 failed \n" >>>LOG_FILE
27         exit 1
28     else
29         echo -e "\n $2 is $1 success \n" >>>LOG_FILE
30     fi
31 }
32
33 CHECK_ROOT
```

```
91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/git-practice (main)
$ git add . ; git commit -m "redirectors"; git push origin main
warning: in the working copy of '16-redirectors.sh', LF will be replaced by CRLF the next time Git touches it
[main ff9b3e9] redirectors
1 file changed, 1 insertion(+), 1 deletion(-)
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 285 bytes | 285.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/lakshimungara/git-practice.git
   bfe2253..ff9b3e9  main -> main

91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/git-practice (main)
$ |
```

```
SuperPuTTY - 54.197.218.1
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ cd git-practice/

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (1/1), done.
remote: Total 3 (delta 2), reused 3 (delta 2), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 265 bytes | 132.00 KiB/s, done.
From https://github.com/lakshimungara/git-practice
   bfe2253..ff9b3e9  main -> origin/main
Updating bfe2253..ff9b3e9
Fast-forward
 16-redirectors.sh | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$
```

```
SupaPuTTY - 54.197.218.1
Protocol SSH Host 54.197.218.1 Login Password Session daws-$ls
Commands
54.197.218.1

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ sudo sh 16-redirectors.sh
```

```
git-practice > $ 16-redirectors.sh
1 #!/bin/bash
2
3 LOGS_FOLDER="/var/log/shell-script"
4 SCRIPT_NAME=$(echo $0 | cut -d "." -f1)
5 TIMESTAMP=$(date +%Y-%m-%d-%H-%M-%S)
6 LOG_FILE="$LOGS_FOLDER/$SCRIPT_NAME-$TIMESTAMP.log"
7 mkdir -p $LOGS_FOLDER
8
9 USERID=$(id -u)
10 #echo "user ID is: $USERID"
11 R="\e[31m"
12 G="\e[32m"
13 N="\e[0m"
14 Y="\e[33m"
15
16 CHECK_ROOT(){
17     if [ $USERID -ne 0 ]
18     then
19         echo -e "$R Please run this script with root privileges $N" &>>$LOG_FILE
20         exit 1
21     fi
22 }
23
24 VALIDATE(){
25     if [ $1 -ne 0 ]
26     then
27         echo -e "$2 is $R failed $N" &>>$LOG_FILE
28         exit 1
29     else
30         echo -e "$2 is $G success $N" &>>$LOG_FILE
31     fi
32 }
```

```
git-practice > $ 16-redirectors.sh
23 VALIDATE(){
24     if [ $1 -ne 0 ]
25     then
26         echo -e "$2 is $R failed $N" &>>$LOG_FILE
27         exit 1
28     else
29         echo -e "$2 is $G success $N" &>>$LOG_FILE
30     fi
31 }
32
33 USAGE(){
34     echo -e "$R USAGE:: $N sudo sh 16-redirectors.sh package1 package2...."
35 }
36
37 CHECK_ROOT
38
39 if [ $# -eq 0 ]
40 then
41     USAGE
42 fi
43
44 for package in $@ # $@ refers to all arguments passed to it
45 do
46     dnf list installed $package &>>$LOG_FILE
47     if [ $? -ne 0 ]
48     then
49         echo " $package is not installed, going to install it now.." &>>$LOG_FILE
50         dnf install $package -y &>>$LOG_FILE
51         VALIDATE $? "Installing $package"
52     else
53         echo -e "$package is already $Y installed.. nothing to do $N" &>>$LOG_FILE
54     fi
55 done
```



```

91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/git-practice (main)
$ git add . ; git commit -m "redirectors"; git push origin main
warning: in the working copy of '16-redirectors.sh', LF will be replaced by CRLF the next time Git touches it
[main 172eb12] redirectors
1 file changed, 1 insertion(+), 1 deletion(-)
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 290 bytes | 290.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/lakshmimungara/git-practice.git
6b1df42..172eb12 main -> main

91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/git-practice (main)
$

```

```

SuperPuTTY - 54.197.218.1
Protocol SSH Host: 54.197.218.1 Login: Password: Session: daws-81s
Commands
54.197.218.1

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (1/1), done.
remote: Total 3 (delta 2), reused 3 (delta 2), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 270 bytes | 270.00 KiB/s, done.
From https://github.com/lakshmimungara/git-practice
6b1df42..172eb12 main -> origin/main
Updating 6b1df42..172eb12
Fast-forward
16-redirectors.sh | 2 +--
1 file changed, 1 insertion(+), 1 deletion(-)

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$

```

```

SuperPuTTY - 54.197.218.1
Protocol SSH Host: 54.197.218.1 Login: Password: Session: daws-81s
Commands
54.197.218.1

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ sudo sh 16-redirectors.sh
USAGE:: sudo sh 16-redirectors.sh package1 package2...

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ sudo sh 16-redirectors.sh git mysql postfix nginx

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ cd /var/log/shell-script/

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 /var/log/shell-script ]$ ls -l
total 4
-rw-r--r-- 1 root root 616 Aug 27 08:24 16-redirectors-2024-08-27-08-24-20.log

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 /var/log/shell-script ]$

```

```
SupportTTY - 54.197.218.1
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
54.197.218.1

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 /var/log/shell-script ]$ cat 16-redirectors-2024-08-27-08-24-20.log
Installed Packages
git.x86_64 2.43.0-1.el9 @rhel-9-appstream-rhui-rpms
git is already installed.. nothing to do
Installed Packages
mysql.x86_64 8.0.36-1.el9_3 @rhel-9-appstream-rhui-rpms
mysql is already installed.. nothing to do
Installed Packages
postfix.x86_64 2:3.5.9-24.el9 @rhel-9-appstream-rhui-rpms
postfix is already installed.. nothing to do
Installed Packages
nginx.x86_64 1:1.20.1-14.el9_2.1 @rhel-9-appstream-rhui-rpms
nginx is already installed.. nothing to do

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 /var/log/shell-script ]$
```

```
File Edit Selection View Go Run ... repos
EXPLORER nditions.sh 11-installation.sh 12-functions.sh 13-colors.sh 14-loops.sh 15-loops-all.sh 16-redirectors.sh M X
REPOS
  git-practice
    01-hello-world.sh
    02-conversation.sh
    03-variables.sh
    04-variables.sh
    05-variables.sh
    06-arrays.sh
    07-command-output...
    08-datatypes.sh
    09-special-vars.sh
    10-conditions.sh
    11-installation.sh
    12-functions.sh
    13-colors.sh
    14-loops.sh
    15-loops-all.sh
    16-redirectors... M
OUTLINE
TIMELINE
git-practice > 16-redirectors.sh
22 }
23 VALIDATE(){
24     if [ $1 -ne 0 ]
25     then
26         echo -e "$2 is $R failed $N" &>>$LOG_FILE
27         exit 1
28     else
29         echo -e "$2 is $G success $N" &>>$LOG_FILE
30     fi
31 }
32
33 USAGE(){
34     echo -e "$R USAGE:: $N sudo sh 16-redirectors.sh package1 package2...."
35 }
36
37 echo "script started executing at: $(date)" &>>$LOG_FILE
38
39 CHECK_ROOT
40
41 if [ $* -eq 0 ]
42 then
43     USAGE
44 fi
45
46 for package in $@ # $@ refers to all arguments passed to it
47 do
48     dnf list installed $package &>>$LOG_FILE
49     if [ $? -ne 0 ]
50     then
```

```
91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/git-practice (main)
$ git add . ; git commit -m "redirectors"; git push origin main
warning: in the working copy of '16-redirectors.sh', LF will be replaced by CRLF the next time Git touches it
[main c666838] redirectors
1 file changed, 3 insertions(+)
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 344 bytes | 344.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/lakshmiMungara/git-practice.git
172eb12..c666838 main -> main

91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/git-practice (main)
$ |
```



```
SuperPuTTY - 54.197.218.1
Protocol SSH Host 54.197.218.1 Login Password Session daws-01s
Commands
54.197.218.1

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 /var/log/shell-script ]$ cd

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ cd git-practice/

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (1/1), done.
remote: Total 3 (delta 2), reused 3 (delta 2), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 324 bytes | 324.00 KiB/s, done.
From https://github.com/lakshmimungara/git-practice
  172eb12..c666838  main    -> origin/main
Updating 172eb12..c666838
Fast-forward
 16-redirectors.sh | 3 +++
 1 file changed, 3 insertions(+)
```

```
SuperPuTTY - 54.197.218.1
Protocol SSH Host 54.197.218.1 Login Password Session daws-01s
Commands
54.197.218.1

git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ sudo sh 16-redirectors.sh git mysql postfix
nginx

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ cd /var/log/shell-script/

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 /var/log/shell-script ]$ ls -l
total 8
-rw-r--r-- 1 root root 616 Aug 27 08:24 16-redirectors-2024-08-27-08-24-20.log
-rw-r--r-- 1 root root 674 Aug 27 08:31 16-redirectors-2024-08-27-08-31-08.log

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 /var/log/shell-script ]$ ls -l 16-redirectors-2024-08-27-*
-rw-r--r-- 1 root root 616 Aug 27 08:24 16-redirectors-2024-08-27-08-24-20.log
-rw-r--r-- 1 root root 674 Aug 27 08:31 16-redirectors-2024-08-27-08-31-08.log

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 /var/log/shell-script ]$
```

```
SuperPuTTY - 54.197.218.1
Protocol SSH Host 54.197.218.1 Login Password Session daws-01s
Commands
54.197.218.1

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 /var/log/shell-script ]$ ls -lt
total 8
-rw-r--r-- 1 root root 674 Aug 27 08:31 16-redirectors-2024-08-27-08-31-08.log
-rw-r--r-- 1 root root 616 Aug 27 08:24 16-redirectors-2024-08-27-08-24-20.log

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 /var/log/shell-script ]$ cat 16-redirectors-2024-08-27-08-31-08.log
script started executing at: Tue Aug 27 08:31:08 UTC 2024
Installed Packages
git.x86_64 2.43.0-1.el9 @rhel-9-appstream-rhui-rpms
git is already installed.. nothing to do
Installed Packages
mysql.x86_64 8.0.36-1.el9_3 @rhel-9-appstream-rhui-rpms
mysql is already installed.. nothing to do
Installed Packages
postfix.x86_64 2:3.5.9-24.el9 @rhel-9-appstream-rhui-rpms
postfix is already installed.. nothing to do
Installed Packages
```



```
git-practice > $ 16-redirectors.sh
1 #!/bin/bash
2
3 LOGS_FOLDER="/var/log/shell-script"
4 SCRIPT_NAME=$(echo $0 | cut -d "." -f1)
5 TIMESTAMP=$(date +%Y-%m-%d-%H-%M-%S)
6 LOG_FILE="$LOGS_FOLDER/$SCRIPT_NAME-$TIMESTAMP.log"
7 mkdir -p $LOGS_FOLDER
8
9 USERID=$(id -u)
10 #echo "user ID is: $USERID"
11 R="\e[31m"
12 G="\e[32m"
13 N="\e[0m"
14 Y="\e[33m"
15
16 CHECK_ROOT(){
17     if [ $USERID -ne 0 ]
18     then
19         echo -e "$R Please run this script with root privileges $N" | tee -a $LOG_FILE
20         exit 1
21     fi
22 }
23
24 VALIDATE(){
25     if [ $1 -ne 0 ]
26     then
27         echo -e "$2 is $R failed $N" | tee -a $LOG_FILE
28         exit 1
29     else
30         echo -e "$2 is $G success $N" | tee -a $LOG_FILE
31     fi
32 }
```

```
23 VALIDATE(){
24     if [ $1 -ne 0 ]
25     then
26         echo -e "$2 is $R failed $N" | tee -a $LOG_FILE
27         exit 1
28     else
29         echo -e "$2 is $G success $N" | tee -a $LOG_FILE
30     fi
31 }
32
33 USAGE(){
34     echo -e "$R USAGE:: $R sudo sh 16-redirectors.sh package1 package2...."
35 }
36
37 echo "script started executing at: $(date)" | tee -a $LOG_FILE
38
39 CHECK_ROOT
40
41 if [ $# -eq 0 ]
42 then
43     USAGE
44 fi
45
46 for package in $@ # $@ refers to all arguments passed to it.
47 do
48     dnf list installed $package >>$LOG_FILE
49     if [ $? -ne 0 ]
50     then
51         echo -e "$package is not installed, going to install it now.." | tee -a $LOG_FILE
52         dnf install $package -y >>$LOG_FILE
53         VALIDATE $? "Installing $package"
54     else
55         echo -e "$package is already $Y installed.. nothing to do $N" | tee -a $LOG_FILE
56     fi
57 done
```

```
91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/git-practice (main)
$ git add . ; git commit -m "redirectors"; git push origin main
warning: in the working copy of '16-redirectors.sh', LF will be replaced by CRLF the next time git touches it
[main 0140b3b] redirectors
1 file changed, 6 insertions(+), 6 deletions(-)
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 341 bytes | 341.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/LakshmiMungara/git-practice.git
c666838..0140b3b main -> main

91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/git-practice (main)
$
```

```
SuperPuTTY - 54.197.218.1
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
54.197.218.1

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 /var/log/shell-script ]$ cd

54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ cd git-practice/

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (1/1), done.
remote: Total 3 (delta 2), reused 3 (delta 2), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 321 bytes | 80.00 KiB/s, done.
From https://github.com/lakshmimungara/git-practice
   c666838..0140b3b  main       -> origin/main
Updating c666838..0140b3b
Fast-forward
 16-redirectors.sh | 12 ++++++-----
 1 file changed, 6 insertions(+), 6 deletions(-)
```

```
SuperPuTTY - 54.197.218.1
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
54.197.218.1

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ sudo sh 16-redirectors.sh
script started executing at: Tue Aug 27 08:45:23 UTC 2024
USAGE:: sudo sh 16-redirectors.sh package1 package2....

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ sudo sh 16-redirectors.sh git mysql postfix nginx
script started executing at: Tue Aug 27 08:45:43 UTC 2024
git is already installed.. nothing to do
mysql is already installed.. nothing to do
postfix is already installed.. nothing to do
nginx is already installed.. nothing to do

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$
```

```
SuperPuTTY - 54.197.218.1
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
54.197.218.1

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ sudo dnf remove postfix nginx -y
Dependencies resolved.

Package Arch Version Repository Size
-----
Removing:
nginx x86_64 1:1.20.1-14.el9_2.1 @rhel-9-appstream-rhui-rpms 148 k
postfix x86_64 2:3.5.9-24.el9 @rhel-9-appstream-rhui-rpms 4.4 M
Removing unused dependencies:
libicu x86_64 67.1-9.el9 @rhel-9-baseos-rhui-rpms 33 M
nginx-core x86_64 1:1.20.1-14.el9_2.1 @rhel-9-appstream-rhui-rpms 1.6 M
nginxfilesystem noarch 1:1.20.1-14.el9_2.1 @rhel-9-appstream-rhui-rpms 0
redhat-logos-httpd noarch 90.4-2.el9 @rhel-9-appstream-rhui-rpms 12 k

Transaction Summary
Remove 6 Packages
```



```
SupaPuTTY - 54.197.218.1
Protocol SSH Host 54.197.218.1 Login Password Session daws-81s
Commands
54.197.218.1
libicu-67.1-9.el9.x86_64 nginx-1:1.20.1-14.el9_2.1.x86_64
nginx-core-1:1.20.1-14.el9_2.1.x86_64 nginxfilesystem-1:1.20.1-14.el9_2.1.noarch
postfix-2:3.5.9-24.el9.x86_64 redhat-logos-httpd-90.4-2.el9.noarch

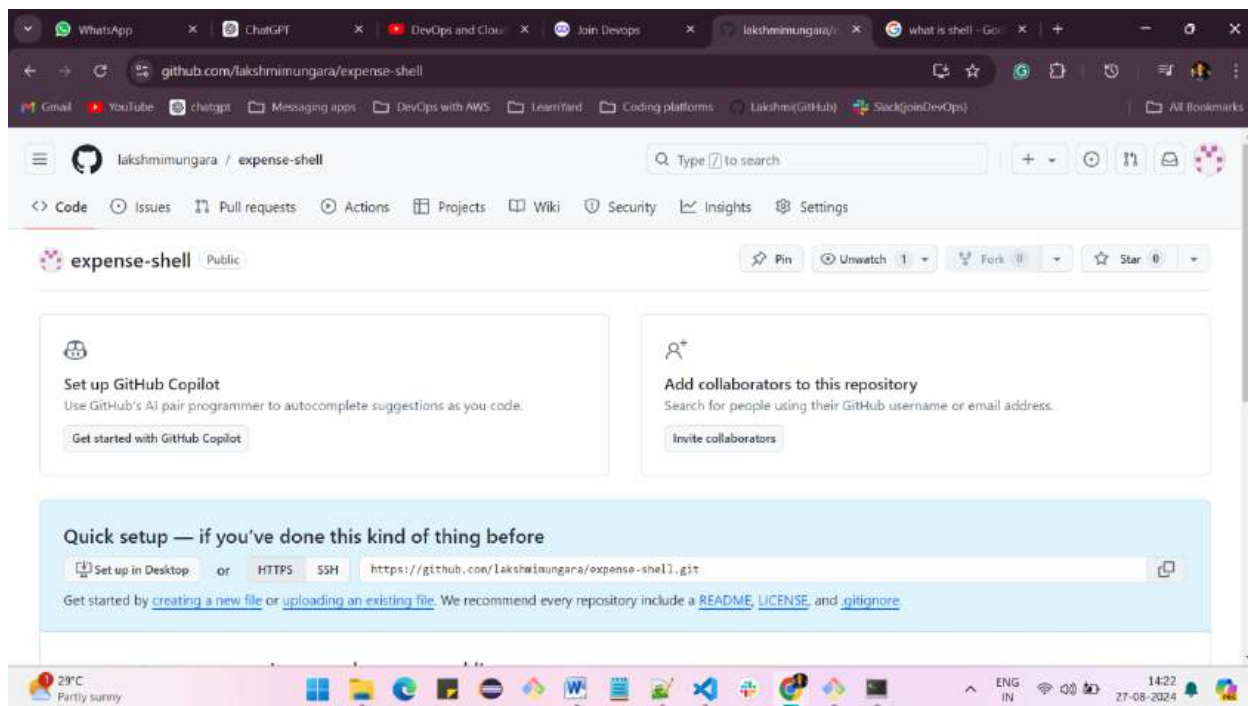
Complete!

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ sudo sh 16-redirectors.sh git mysql postfix
nginx
script started executing at: Tue Aug 27 08:46:56 UTC 2024
git is already installed.. nothing to do
mysql is already installed.. nothing to do
postfix is not installed, going to install it now..
Installing postfix is success
nginx is not installed, going to install it now..
Installing nginx is success

54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$
```

Automating manual process by using shell-scripting

We are automating the expense project by using shell-scripting



```
91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/git-practice (main)
$ cd ..

91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos
$ git clone https://github.com/lakshmimungara/expense-shell.git
Cloning into 'expense-shell'...
warning: You appear to have cloned an empty repository.

91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos
$
```



Instances | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

EC2 Dashboard

EC2 Global View

Events

Console-to-Code [Preview](#)

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity

Reservations [New](#)

Instances (1/2) info Last updated less than a minute ago

Find Instance by attribute or tag (case-sensitive)

All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
mysql	i-00ddf35ac591855b4	Running	t3.micro	2 Initializing	View alarms +
shell-practice	i-0294d84f1873c904e	Running	t3.micro	2/2 checks passed	View alarms +

i-00ddf35ac591855b4 (mysql)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary info

Instance ID i-00ddf35ac591855b4 (mysql)

Public IPv4 address copied 3.81.173.203 | [open address](#)

Private IPv4 addresses 172.31.46.187

CloudShell Feedback

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```
12-functions.sh 13-colors.sh 14-loops.sh 15-loops-all.sh 16-redirectors.sh mysql.sh 04-variables.sh
expense-shell > $ mysqlsh
1 #!/bin/bash
2
3 LOGS_FOLDER="/var/log/expense"
4 SCRIPT_NAME=$(echo $0 | cut -d "." -f1)
5 TIMESTAMP=$(date +%Y-%m-%d-%H-%M-%S)
6 LOG_FILE="$LOGS_FOLDER/$SCRIPT_NAME-$TIMESTAMP.log"
7 mkdir -p $LOGS_FOLDER
8
9 USERID=$(id -u)
10 #echo "user ID is: $USERID"
11 R="e{31m}"
12 G="e{32m}"
13 B="e{34m}"
14 Y="e{33m}"
15
16 CHECK_ROOT(){
17     if [ $USERID -ne 0 ]
18     then
19         echo -e "$R Please run this script with root privileges $N" | tee -a $LOG_FILE
20         exit 1
21     fi
22 }
23
24 VALIDATE(){
25     if [ $1 -ne 0 ]
26     then
27         echo -e "$2 is $R failed $N" | tee -a $LOG_FILE
28         exit 1
29     else
30         echo -e "$2 is $G success $N" | tee -a $LOG_FILE
31     fi
32 }
```

```
23 VALIDATE(){
24     if [ $1 -ne 0 ]
25     then
26         echo -e "$2 is $R failed $N" | tee -a $LOG_FILE
27         exit 1
28     else
29         echo -e "$2 is $G success $N" | tee -a $LOG_FILE
30     fi
31 }
32
33 echo "script started executing at: $(date)" | tee -a $LOG_FILE
34
35 CHECK_ROOT
36
37 dnf install mysql-server -y
38 VALIDATE $? "mysql-server installation"
39
40 systemctl enable mysqld
41 VALIDATE $? "enable mysql-server"
42
43 systemctl start mysqld
44 VALIDATE $? "start mysql-server"
45
46 mysql_secure_installation --set-root-pass ExpenseApp@1
47 VALIDATE $? "setting up root password"
48
```

```

91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos
$ cd expense-shell/

91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/expense-shell (main)
$ git add . ; git commit -m "redirectors"; git push origin main
warning: in the working copy of 'mysql.sh', LF will be replaced by CRLF the next time Git touches it
[main (root-commit) 962561e] redirectors
1 file changed, 47 insertions(+)
create mode 100644 mysql.sh
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 711 bytes | 711.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/lakshimungara/expense-shell.git
* [new branch]      main -> main

91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/expense-shell (main)
$ git add . ; git commit -m "expense-mysql"; git push origin main
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
Everything up-to-date

91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/expense-shell (main)

```

```

SuperPUTTY - mysql
Protocol: SSH Host: 3.81.173.203 Login: Password: Session: daws-81s
Commands
shell mysql
Using username "ec2-user".
ec2-user@3.81.173.203's password:
HELLO

Disclaimer:

This image is designed for only for the lab purpose
of learning DevOps and not recommended at all to use
in production or any company environments.

3.81.173.203 | 172.31.46.187 | t3.micro | null
[ ec2-user@ip-172-31-46-187 ~ ]$

```

```

SuperPUTTY - mysql
Protocol: SSH Host: 3.81.173.203 Login: Password: Session: daws-81s
Commands
shell mysql
[ ec2-user@ip-172-31-46-187 ~ ]$ git clone https://github.com/lakshimungara/expense-shell.git
Cloning into 'expense-shell'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.

3.81.173.203 | 172.31.46.187 | t3.micro | null
[ ec2-user@ip-172-31-46-187 ~ ]$ cd expense-shell/

3.81.173.203 | 172.31.46.187 | t3.micro | https://github.com/lakshimungara/expense-shell.git
[ ec2-user@ip-172-31-46-187 ~/expense-shell ]$ ls -l
total 4
-rw-r--r-- 1 ec2-user ec2-user 994 Aug 27 09:13 mysql.sh

3.81.173.203 | 172.31.46.187 | t3.micro | https://github.com/lakshimungara/expense-shell.git
[ ec2-user@ip-172-31-46-187 ~/expense-shell ]$

```



```
SuperPuTTY - mysql
Protocol SSH • Host: 3.81.173.203 Login Password Session: daws-81s
Commands
shell mysql

3.81.173.203 | 172.31.46.187 | t3.micro | https://github.com/lakshmimungara/expense-shell.git
[ ec2-user@ip-172-31-46-187 ~ /expense-shell ]$ sudo sh mysql.sh
script started executing at: Tue Aug 27 09:14:56 UTC 2024
Extra Packages for Enterprise Linux 9 - x86_64 20 MB/s | 22 MB 00:01
Extra Packages for Enterprise Linux 9 openh264 (From Cis 2.2 kB/s | 2.5 kB 00:01
Red Hat Enterprise Linux 9 for x86_64 - AppStream from R 68 MB/s | 39 MB 00:00
Red Hat Enterprise Linux 9 for x86_64 - BaseOS from RHUI 65 MB/s | 29 MB 00:00
Red Hat Enterprise Linux 9 Client Configuration 29 kB/s | 3.2 kB 00:00
Dependencies resolved.

=====
Package Arch Version Repository Size
=====
Installing:
mysql-server x86_64 8.0.36-1.el9_3 rhel-9-appstream-rhui-rpms 17 M
Installing dependencies:
libicu x86_64 67.1-9.el9 rhel-9-baseos-rhui-rpms 9.6 M
mariadb-connector-c-config noarch 3.2.6-1.el9_0 rhel-9-appstream-rhui-rpms 11 k
mecab x86_64 0.996-3.el9.4 rhel-9-appstream-rhui-rpms 360 k
mysql x86_64 8.0.36-1.el9_3 rhel-9-appstream-rhui-rpms 2.7 M
=====
```

```
SuperPuTTY - mysql
Protocol SSH • Host: 3.81.173.203 Login Password Session: daws-81s
Commands
shell mysql

Verifying : mysql-server-8.0.36-1.el9_3.x86_64 8/9
Verifying : libicu-67.1-9.el9.x86_64 9/9

Installed:
libicu-67.1-9.el9.x86_64 mariadb-connector-c-config-3.2.6-1.el9_0.noarch
mecab-0.996-3.el9.4.x86_64 mysql-8.0.36-1.el9_3.x86_64
mysql-common-8.0.36-1.el9_3.x86_64 mysql-errmsg-8.0.36-1.el9_3.x86_64
mysql-selinux-1.0.5-1.el9_0.noarch mysql-server-8.0.36-1.el9_3.x86_64
protobuf-lite-3.14.0-13.el9.x86_64

Complete!
mysql-server installation is success
Created symlink /etc/systemd/system/multi-user.target.wants/mysqld.service → /usr/lib/sys
temd/system/mysqld.service.
enable mysql-server is success
start mysql-server is success
setting up root password is success

3.81.173.203 | 172.31.46.187 | t3.micro | https://github.com/lakshmimungara/expense-shell.git
[ ec2-user@ip-172-31-46-187 ~ /expense-shell ]$
```

```
SuperPuTTY - mysql
Protocol SSH • Host: 3.81.173.203 Login Password Session: daws-81s
Commands
shell mysql

3.81.173.203 | 172.31.46.187 | t3.micro | https://github.com/lakshmimungara/expense-shell.git
[ ec2-user@ip-172-31-46-187 ~ /expense-shell ]$ systemctl status mysqld
• mysqld.service - MySQL 8.0 database server
Loaded: loaded (/usr/lib/systemd/system/mysqld.service; enabled; preset: disabled)
Active: active (running) since Tue 2024-08-27 09:16:12 UTC; 4min 18s ago
Process: 3618 ExecStartPre=/usr/libexec/mysql-check-socket (code=exited, status=0/SUC
CESS)
Process: 3704 ExecStartPre=/usr/libexec/mysql-prepare-db-dir mysqld.service (code=exi
ted, status=0/SUCCESS)
Main PID: 8889 (mysqld)
Status: "Server is operational"
Tasks: 38 (limit: 4015)
Memory: 396.2M
CPU: 6.401s
CGroup: /system.slice/mysqld.service
└─8889 /usr/libexec/mysqld --basedir=/usr

3.81.173.203 | 172.31.46.187 | t3.micro | https://github.com/lakshmimungara/expense-shell.git
[ ec2-user@ip-172-31-46-187 ~ /expense-shell ]$
```





```

91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/expense-shell (main)
$ git add . ; git commit -m "expense-mysql"; git push origin main
warning: in the working copy of 'mysql.sh', LF will be replaced by CRLF the next time Git touches it
[main 6fad295] expense-mysql
1 file changed, 4 insertions(+), 4 deletions(-)
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 308 bytes | 308.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/lakshmiMungara/expense-shell.git
962561e..6fad295 main -> main

91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/expense-shell (main)
$

```

```

SuperPuTTY - mysql
Protocol SSH Host 3.81.173.203 Login Password Session daws-81s
Commands
shell mysql
ec2-user 14109 1346 0 09:21 pts/0 00:00:00 grep --color=auto mysql

3.81.173.203 | 172.31.46.187 | t3.micro | https://github.com/lakshmiMungara/expense-shell.git
[ ec2-user@ip-172-31-46-187 ~/expense-shell ]$ cd /var/log/expense/

3.81.173.203 | 172.31.46.187 | t3.micro | null
[ ec2-user@ip-172-31-46-187 /var/log/expense ]$ ls -l
total 4
-rw-r--r-- 1 root root 236 Aug 27 09:16 mysql-2024-08-27-09-14-56.log

3.81.173.203 | 172.31.46.187 | t3.micro | null
[ ec2-user@ip-172-31-46-187 /var/log/expense ]$ cat mysql-2024-08-27-09-14-56.log
script started executing at: Tue Aug 27 09:14:56 UTC 2024
mysql-server installation is success
enable mysql-server is success
start mysql-server is success
setting up root password is success

3.81.173.203 | 172.31.46.187 | t3.micro | null
[ ec2-user@ip-172-31-46-187 /var/log/expense ]$

```

```

SuperPuTTY - mysql
Protocol SSH Host 3.81.173.203 Login Password Session daws-81s
Commands
shell mysql

3.81.173.203 | 172.31.46.187 | t3.micro | null
[ ec2-user@ip-172-31-46-187 ~ ]$ mysql -h 172.31.46.187 -u root -pExpenseApp@1
mysql: [Warning] Using a password on the command line interface can be insecure.
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 9
Server version: 8.0.36 Source distribution

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |

```



```
SuperPutty - mysql
Protocol: SSH Host: 3.81.173.208 Login: Password: Session: daws-01s
Commands
shell mysql

3.81.173.203 | 172.31.46.187 | t3.micro | null
[ ec2-user@ip-172-31-46-187 ~ ]$ mysql -h 172.31.46.187 -u root -pExpenseApp@1 -e 'show databases;'
mysql: [Warning] Using a password on the command line interface can be insecure.
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+

3.81.173.203 | 172.31.46.187 | t3.micro | null
[ ec2-user@ip-172-31-46-187 ~ ]$
```

```
File Edit Selection View Go Run ... repos
EXPLORE OPEN EDITORS
REPOS
  expense-shell
  $ _mysqlsh
  > git-practice
  > git-practice

expense-shell > $ _mysqlsh
35 echo "script started executing at: $(date)" | tee -a $LOG_FILE
36
37 CHECK_ROOT
38
39 dnf install mysql-server -y &>$LOG_FILE
40 VALIDATE $? "mysql-server installation"
41
42 systemctl enable mysqld &>$LOG_FILE
43 VALIDATE $? "enable mysql-server"
44
45 systemctl start mysqld &>$LOG_FILE
46 VALIDATE $? "start mysql-server"
47
48 mysql -h 172.31.46.187 -u root -pExpenseApp@1 -e 'show databases;' &>$LOG_FILE
49 VALIDATE $? "setting up root password"
50
```

Instances | EC2 | us-east-1 | daws01s.fun - details | DNS / Name servers | Hostinger | +

us-east-1.console.aws.amazon.com/route53/v2/hostedzones?region=us-east-1#RecordSets/Z084345927TT4LS4X25QM

Services | Search | [Alt+S] | Global | lakshminungara2997@gmail.com

EC2 | VPC | RDS | Elastic Kubernetes Service | CloudFormation | EFS | IAM | Certificate Manager | CloudFront | Route 53

Records (3) | DNSSEC signing | Hosted zone tags (0)

Records (1/3) info | Delete record | Import zone file | Create record

The following table lists the existing records in daws01s.fun. You can't delete the SOA record or the NS record named daws01s.fun.

Filter records by property or value | Type | Routing policy | Alias

Record name	Type	Routing policy	Differ...	Alias
daws01s.fun	NS	Simple	-	No

Record details

Edit record

Record name: daws01s.fun

Record type: NS

Value: ns-147.awsdns-16.com, ns-1827.awsdns-36.co.uk, ns-615.awsdns-12.net, ns-1110.awsdns-10.org

Alias: No

CloudShell | Feedback | © 2024, Amazon Web Services, Inc. or its affiliates. | Privacy | Terms | Cookie preferences

Instances | EC2 | us-east-1 x daws81s.fun - details x DNS / Nameservers | Hostinger x

hpanel.hostinger.com/domain/daws81s.fun/dns

HOSTINGER Refer & Earn 400 USD

Main menu

- Domain Overview
- DNS / Nameservers**
- Domain Ownership

ns-615.awsdns-12.net

Select Nameservers

☐ Use Hostinger nameservers (recommended)

☒ Change nameservers

ns-1110.awsdns-10.org

ns-147.awsdns-18.com

ns-1827.awsdns-36.co.uk

ns-615.awsdns-12.net

Save Cancel

Give feedback

29°C Partly sunny

Instances | EC2 | us-east-1 x daws81s.fun - details x

us-east-1.console.aws.amazon.com/route53/v2/hostedzones?region=us-east-1#RecordSets/Z084345927TT4LS4X2SQM

Records (1/3) info Delete record Import zone file Create record

Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.

Filter records by property or value Type Routing policy Alias

Record	Type	Routing policy	Differ...	Alias	Value/Route
daws81s.fun	NS	Simple	-	No	ns-147.awsdns-18.com ns-1827.awsdns-36.co.uk ns-615.awsdns-12.net ns-1110.awsdns-10.org
daws81s.fun	SOA	Simple	-	No	ns-147.awsdns-18.com
mysql.daws81s.fun	A	Simple	-	No	172.31.46.187

Record details

Edit record Copied

Record type A

Value 172.31.46.187

Alias No

TTL (seconds) 1

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SuperPuTTY - mysql

Protocol SSH Host: 3.81.173.203 Login Password Session: daws-81s

Commands

```
mysql
3.81.173.203 | 172.31.46.187 | t3.micro | null
[ ec2-user@ip-172-31-46-187 ~ ]$ nslookup mysql.daws81s.fun
Server:         172.31.0.2
Address:        172.31.0.2#53

Non-authoritative answer:
Name:   mysql.daws81s.fun
Address: 172.31.46.187

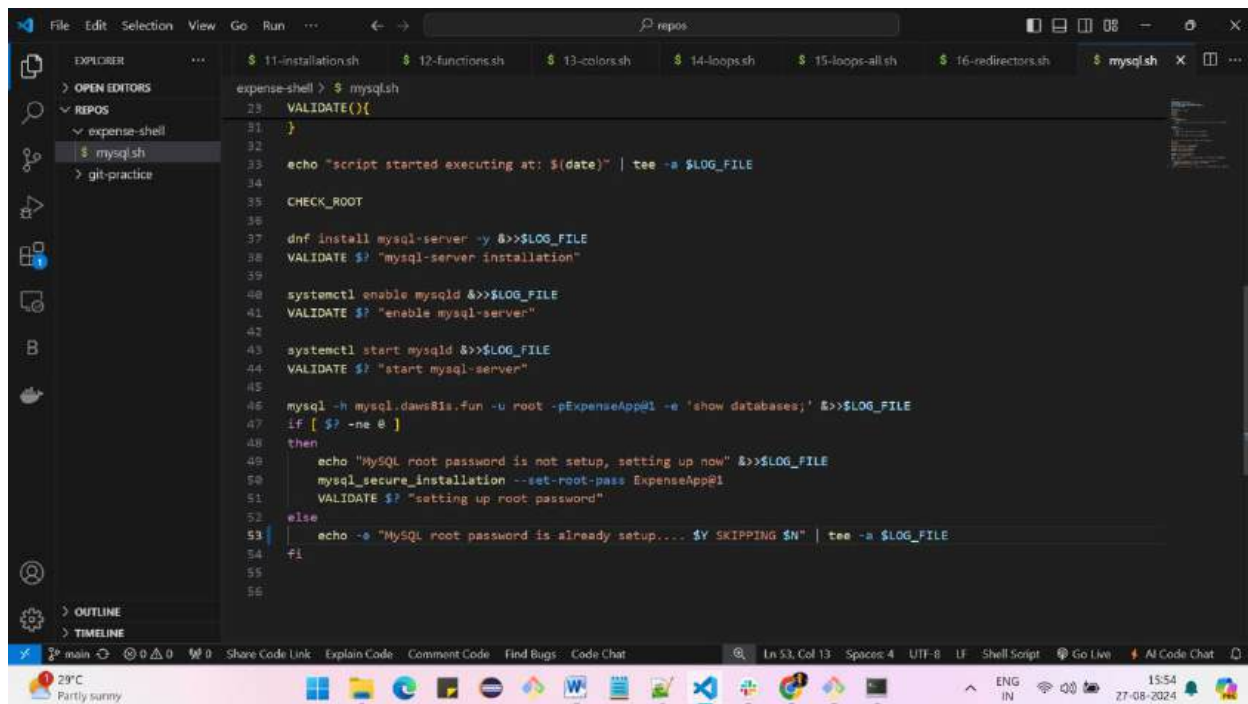
3.81.173.203 | 172.31.46.187 | t3.micro | null
[ ec2-user@ip-172-31-46-187 ~ ]$ cd expense-shell/

3.81.173.203 | 172.31.46.187 | t3.micro | https://github.com/lakshmimungara/expense-shell.git
[ ec2-user@ip-172-31-46-187 ~/expense-shell ]$
```

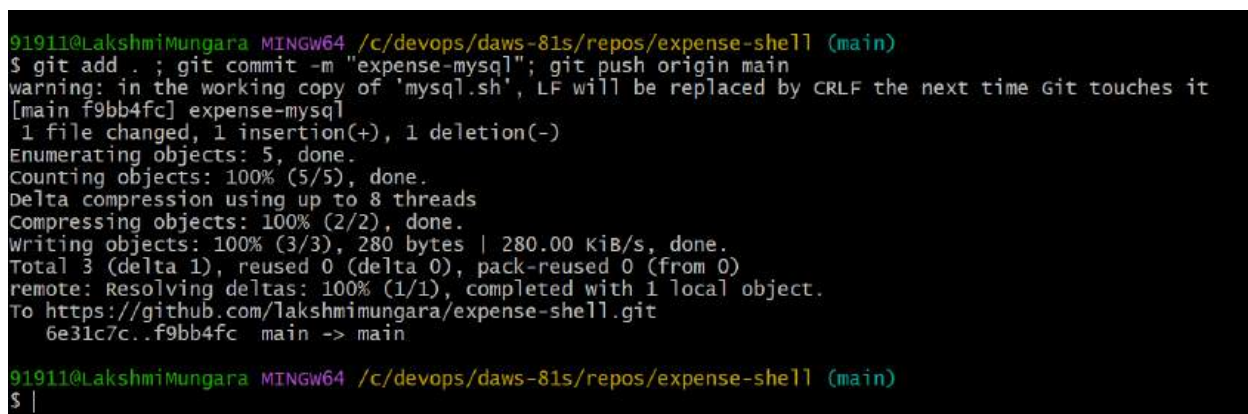
BSE smicap +0.50%

ENG IN 15:53 27-08-2024



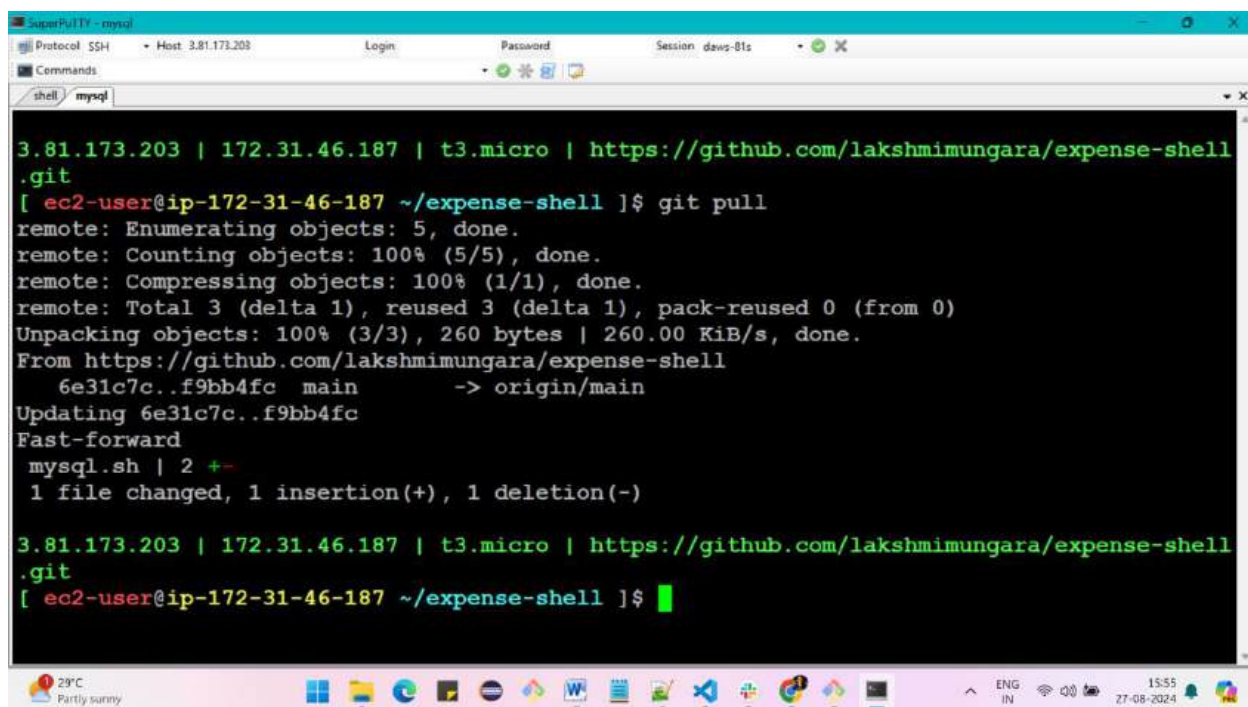


```
11-installation.sh 12-functions.sh 13-colors.sh 14-loops.sh 15-loops-all.sh 16-redirectors.sh mysql.sh
expense-shell > $ mysql.sh
23: VALIDATE(){
31: }
32:
33: echo "script started executing at: $(date)" | tee -a $LOG_FILE
34:
35: CHECK_ROOT
36:
37: dnf install mysql-server -y &>$LOG_FILE
38: VALIDATE $? "mysql-server installation"
39:
40: systemctl enable mysqld &>$LOG_FILE
41: VALIDATE $? "enable mysql-server"
42:
43: systemctl start mysqld &>$LOG_FILE
44: VALIDATE $? "start mysql-server"
45:
46: mysql -h mysql.daws81s.fun -u root -pExpenseApp@1 -e 'show databases;' &>$LOG_FILE
47: if [ $? -ne 0 ]
48: then
49:     echo "MySQL root password is not setup, setting up now" &>$LOG_FILE
50:     mysql_secure_installation --set-root-pass ExpenseApp@1
51:     VALIDATE $? "setting up root password"
52: else
53:     echo -e "MySQL root password is already setup.... $Y SKIPPING $N" | tee -a $LOG_FILE
54: fi
55:
56:
```



```
91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/expense-shell (main)
$ git add . ; git commit -m "expense-mysql"; git push origin main
warning: in the working copy of 'mysql.sh', LF will be replaced by CRLF the next time Git touches it
[main f9bb4fc] expense-mysql
1 file changed, 1 insertion(+), 1 deletion(-)
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 280 bytes | 280.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/lakshmimungara/expense-shell.git
6e31c7c..f9bb4fc main -> main

91911@LakshmiMungara MINGW64 /c/devops/daws-81s/repos/expense-shell (main)
$ |
```



```
3.81.173.203 | 172.31.46.187 | t3.micro | https://github.com/lakshmimungara/expense-shell
.git
[ ec2-user@ip-172-31-46-187 ~/expense-shell ]$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (1/1), done.
remote: Total 3 (delta 1), reused 3 (delta 1), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 260 bytes | 260.00 KiB/s, done.
From https://github.com/lakshmimungara/expense-shell
6e31c7c..f9bb4fc main -> origin/main
Updating 6e31c7c..f9bb4fc
Fast-forward
 mysql.sh | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

3.81.173.203 | 172.31.46.187 | t3.micro | https://github.com/lakshmimungara/expense-shell
.git
[ ec2-user@ip-172-31-46-187 ~/expense-shell ]$
```

```
SuperPuTTY - mysql
Protocol SSH Host 3.81.173.203 Login Password Session daws-81s
Commands
shell mysql
3.81.173.203 | 172.31.46.187 | t3.micro | https://github.com/lakshmimungara/expense-shell
.git
[ ec2-user@ip-172-31-46-187 ~/expense-shell ]$ sudo sh mysql.sh
script started executing at: Tue Aug 27 10:26:04 UTC 2024
mysql-server installation is success
enable mysql-server is success
start mysql-server is success
MySQL root password is already setup.... SKIPPING
3.81.173.203 | 172.31.46.187 | t3.micro | https://github.com/lakshmimungara/expense-shell
.git
[ ec2-user@ip-172-31-46-187 ~/expense-shell ]$
```

Q/A session

```
SuperPuTTY - shell
Protocol SSH Host 3.81.173.203 Login Password Session daws-81s
Commands
shell mysql
54.197.218.1 | 172.31.32.223 | t3.micro | https://github.com/lakshmimungara/git-practice.
git
[ ec2-user@ip-172-31-32-223 ~/git-practice ]$ cd ..
54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ ls -l
total 8
drwxr-xr-x 3 ec2-user ec2-user 4096 Aug 27 08:45 git-practice
-rw-r--r-- 1 ec2-user ec2-user 130 Aug 27 06:55 output.txt
54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ cat output.txt
total 4
drwxr-xr-x 3 ec2-user ec2-user 4096 Aug 27 06:42 git-practice
-rw-r--r-- 1 ec2-user ec2-user 0 Aug 27 06:55 output.txt
54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ cat output.txt | tee new-file.txt
total 4
drwxr-xr-x 3 ec2-user ec2-user 4096 Aug 27 06:42 git-practice
```

```
SuperPuTTY - shell
Protocol SSH Host 3.81.173.203 Login Password Session daws-81s
Commands
shell mysql
54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ cat output.txt
total 4
drwxr-xr-x 3 ec2-user ec2-user 4096 Aug 27 06:42 git-practice
-rw-r--r-- 1 ec2-user ec2-user 0 Aug 27 06:55 output.txt
54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ cat output.txt | tee new-file.txt
total 4
drwxr-xr-x 3 ec2-user ec2-user 4096 Aug 27 06:42 git-practice
-rw-r--r-- 1 ec2-user ec2-user 0 Aug 27 06:55 output.txt
54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$ cat new-file.txt
total 4
drwxr-xr-x 3 ec2-user ec2-user 4096 Aug 27 06:42 git-practice
-rw-r--r-- 1 ec2-user ec2-user 0 Aug 27 06:55 output.txt
54.197.218.1 | 172.31.32.223 | t3.micro | null
[ ec2-user@ip-172-31-32-223 ~ ]$
```



```
SuperPuTTY - mysql
Protocol SSH Host 3.81.173.208 Login Password Session daws-01s
Commands
shell mysql
3.81.173.203 | 172.31.46.187 | t3.micro | null
[ ec2-user@ip-172-31-46-187 ~ ]$ cd expense-shell/

3.81.173.203 | 172.31.46.187 | t3.micro | https://github.com/lakshmimungara/expense-shell
.git
[ ec2-user@ip-172-31-46-187 ~/expense-shell ]$ ls -l
total 4
-rw-r--r-- 1 ec2-user ec2-user 1318 Aug 27 10:25 mysql.sh

3.81.173.203 | 172.31.46.187 | t3.micro | https://github.com/lakshmimungara/expense-shell
.git
[ ec2-user@ip-172-31-46-187 ~/expense-shell ]$ sudo dnf install mysql-server -y
Last metadata expiration check: 0:12:45 ago on Tue Aug 27 10:24:18 2024.
Package mysql-server-8.0.36-1.el9_3.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!

3.81.173.203 | 172.31.46.187 | t3.micro | https://github.com/lakshmimungara/expense-shell
.git
[ ec2-user@ip-172-31-46-187 ~/expense-shell ]$
```

```
3.81.173.203 | 172.31.46.187 | t3.micro | https://github.com/lakshmimungara/expense-shell
.git
[ ec2-user@ip-172-31-46-187 ~/expense-shell ]$ echo $?
0
```

Assignment:

1. Check MySQL server is installed or not, enabled or not, started or not
2. Implement the above things