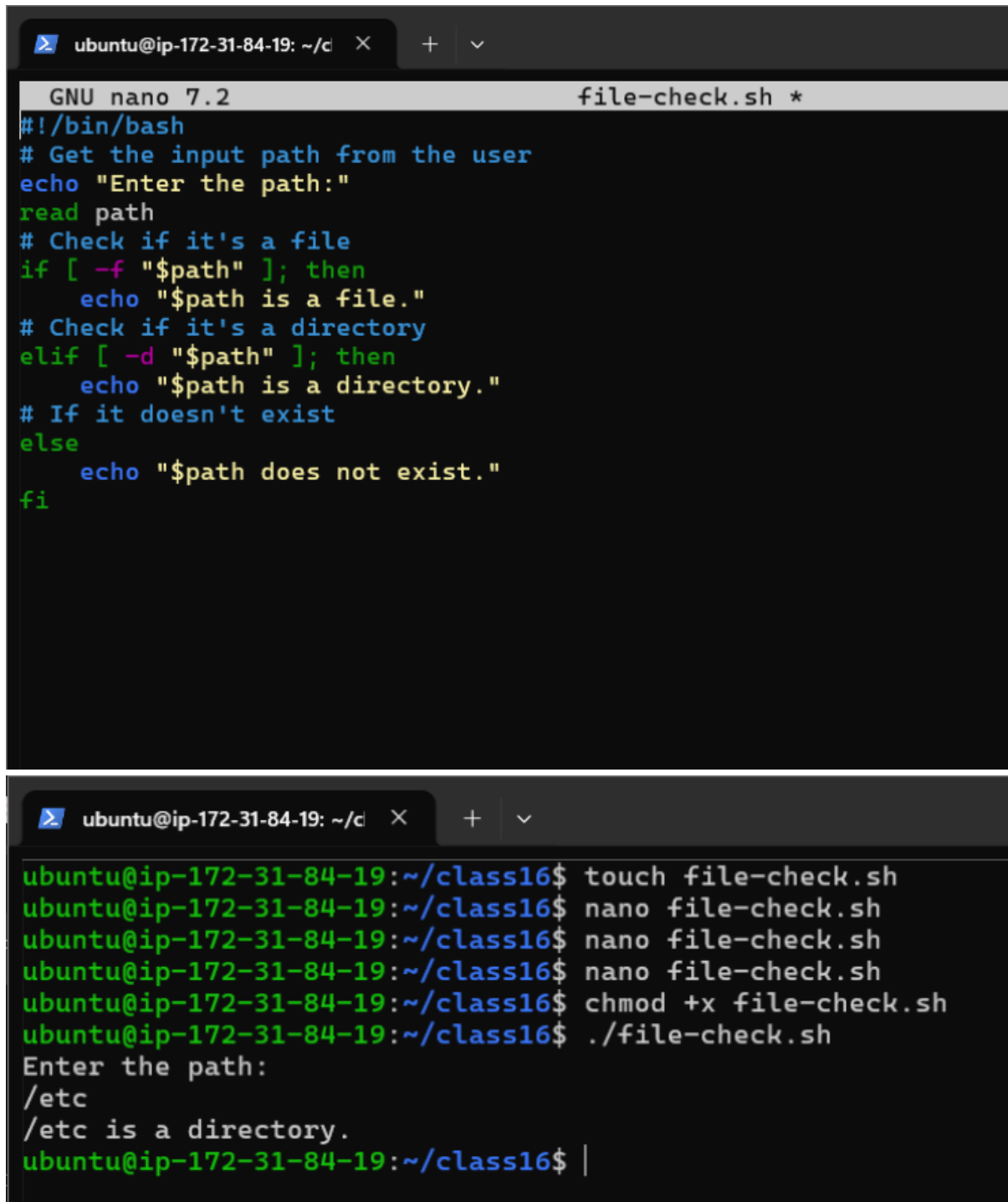


Assignment - 16

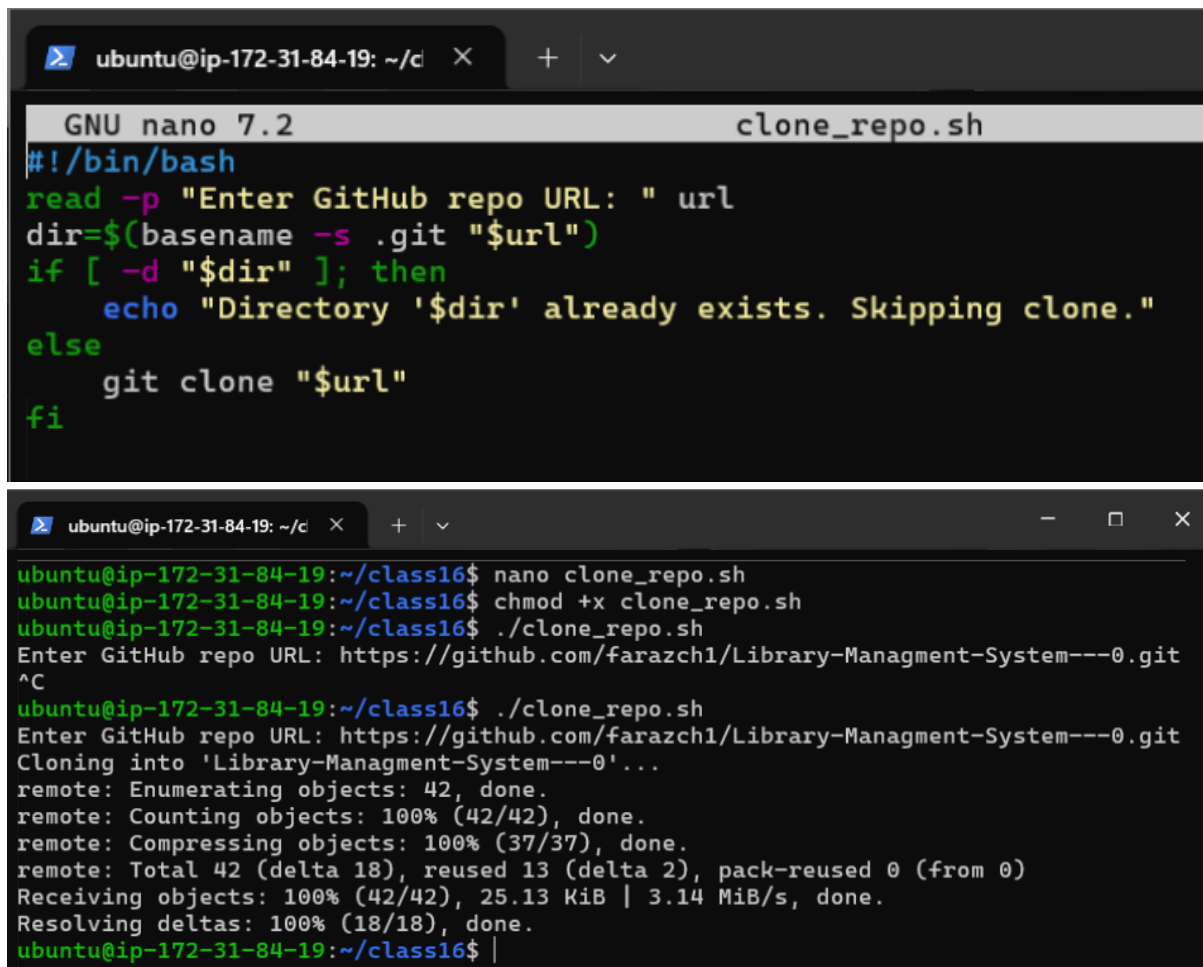
1 – File path check:



```
ubuntu@ip-172-31-84-19: ~/c  X + v
GNU nano 7.2 file-check.sh *
#!/bin/bash
# Get the input path from the user
echo "Enter the path:"
read path
# Check if it's a file
if [ -f "$path" ]; then
    echo "$path is a file."
# Check if it's a directory
elif [ -d "$path" ]; then
    echo "$path is a directory."
# If it doesn't exist
else
    echo "$path does not exist."
fi

ubuntu@ip-172-31-84-19:~/class16$ touch file-check.sh
ubuntu@ip-172-31-84-19:~/class16$ nano file-check.sh
ubuntu@ip-172-31-84-19:~/class16$ nano file-check.sh
ubuntu@ip-172-31-84-19:~/class16$ nano file-check.sh
ubuntu@ip-172-31-84-19:~/class16$ chmod +x file-check.sh
ubuntu@ip-172-31-84-19:~/class16$ ./file-check.sh
Enter the path:
/etc
/etc is a directory.
ubuntu@ip-172-31-84-19:~/class16$ |
```

2 – Git repository clone:



The image consists of two terminal window screenshots. The top screenshot shows the creation of a script named `clone_repo.sh` using the `nano` editor. The script is a bash script that takes a GitHub repository URL as input and clones it to a local directory. The bottom screenshot shows the execution of the script twice. The first execution prompts the user to enter a GitHub repository URL, which is `https://github.com/farazch1/Library-Managment-System---0.git`. The second execution shows the cloning process in progress, including enumerating, counting, and compressing objects, and finally resolving deltas.

```
ubuntu@ip-172-31-84-19: ~/c  X  +  v
GNU nano 7.2 clone_repo.sh
#!/bin/bash
read -p "Enter GitHub repo URL: " url
dir=$(basename -s .git "$url")
if [ -d "$dir" ]; then
    echo "Directory '$dir' already exists. Skipping clone."
else
    git clone "$url"
fi

ubuntu@ip-172-31-84-19: ~/c  X  +  v  -  □  X
ubuntu@ip-172-31-84-19:~/class16$ nano clone_repo.sh
ubuntu@ip-172-31-84-19:~/class16$ chmod +x clone_repo.sh
ubuntu@ip-172-31-84-19:~/class16$ ./clone_repo.sh
Enter GitHub repo URL: https://github.com/farazch1/Library-Managment-System---0.git
^C
ubuntu@ip-172-31-84-19:~/class16$ ./clone_repo.sh
Enter GitHub repo URL: https://github.com/farazch1/Library-Managment-System---0.git
Cloning into 'Library-Managment-System---0'...
remote: Enumerating objects: 42, done.
remote: Counting objects: 100% (42/42), done.
remote: Compressing objects: 100% (37/37), done.
remote: Total 42 (delta 18), reused 13 (delta 2), pack-reused 0 (from 0)
Receiving objects: 100% (42/42), 25.13 KiB | 3.14 MiB/s, done.
Resolving deltas: 100% (18/18), done.
ubuntu@ip-172-31-84-19:~/class16$ |
```