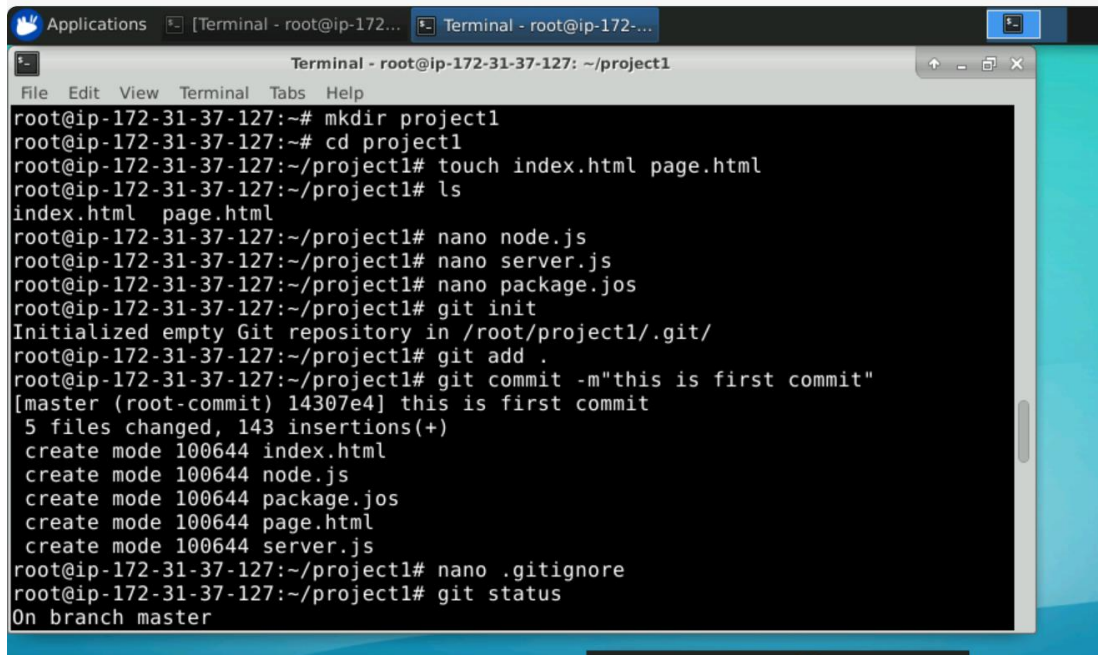


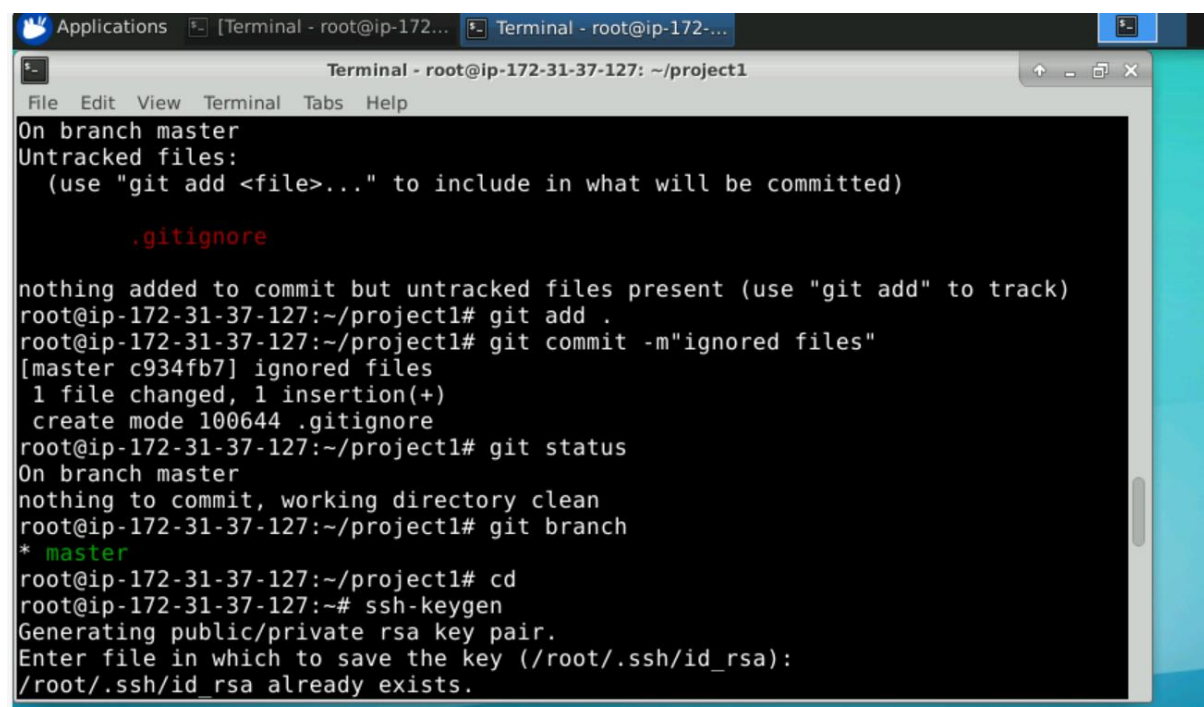
Phase-1 Practice Project

Angular Application on GitHub

- To connect and push files from the local system to GitHub



```
root@ip-172-31-37-127:~# mkdir project1
root@ip-172-31-37-127:~# cd project1
root@ip-172-31-37-127:~/project1# touch index.html page.html
root@ip-172-31-37-127:~/project1# ls
index.html  page.html
root@ip-172-31-37-127:~/project1# nano node.js
root@ip-172-31-37-127:~/project1# nano server.js
root@ip-172-31-37-127:~/project1# nano package.jos
root@ip-172-31-37-127:~/project1# git init
Initialized empty Git repository in /root/project1/.git/
root@ip-172-31-37-127:~/project1# git add .
root@ip-172-31-37-127:~/project1# git commit -m"this is first commit"
[master (root-commit) 14307e4] this is first commit
5 files changed, 143 insertions(+)
create mode 100644 index.html
create mode 100644 node.js
create mode 100644 package.jos
create mode 100644 page.html
create mode 100644 server.js
root@ip-172-31-37-127:~/project1# nano .gitignore
root@ip-172-31-37-127:~/project1# git status
On branch master
```



```
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)

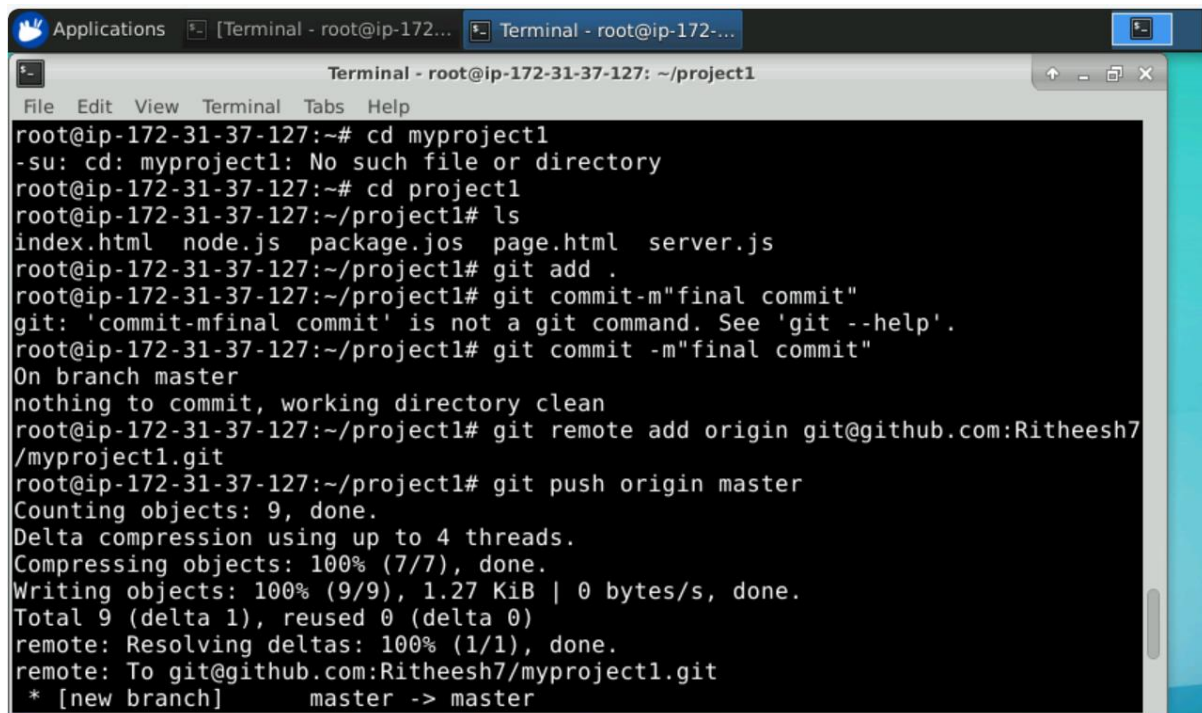
        .gitignore

nothing added to commit but untracked files present (use "git add" to track)
root@ip-172-31-37-127:~/project1# git add .
root@ip-172-31-37-127:~/project1# git commit -m"ignored files"
[master c934fb7] ignored files
1 file changed, 1 insertion(+)
create mode 100644 .gitignore
root@ip-172-31-37-127:~/project1# git status
On branch master
nothing to commit, working directory clean
root@ip-172-31-37-127:~/project1# git branch
* master
root@ip-172-31-37-127:~/project1# cd
root@ip-172-31-37-127:~# ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa):
/root/.ssh/id_rsa already exists.
```

GitHub: To store the application code and track its versions

```
Terminal - root@ip-172-31-37-127: ~/project1
File Edit View Terminal Tabs Help
root@ip-172-31-37-127:~/project1# git branch
* master
root@ip-172-31-37-127:~/project1# cd
root@ip-172-31-37-127:~# ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa):
/root/.ssh/id_rsa already exists.
Overwrite (y/n)?
root@ip-172-31-37-127:~# ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa):
/root/.ssh/id_rsa already exists.
Overwrite (y/n)? y
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /root/.ssh/id_rsa.
Your public key has been saved in /root/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:u2r0ZSvC5R5GpYsLN0+HuhayiEeZMBJ0le3N1N+lg0E root@ip-172-31-37-127
The key's randomart image is:
+---[RSA 2048]-----+
| ..o . .E |
```

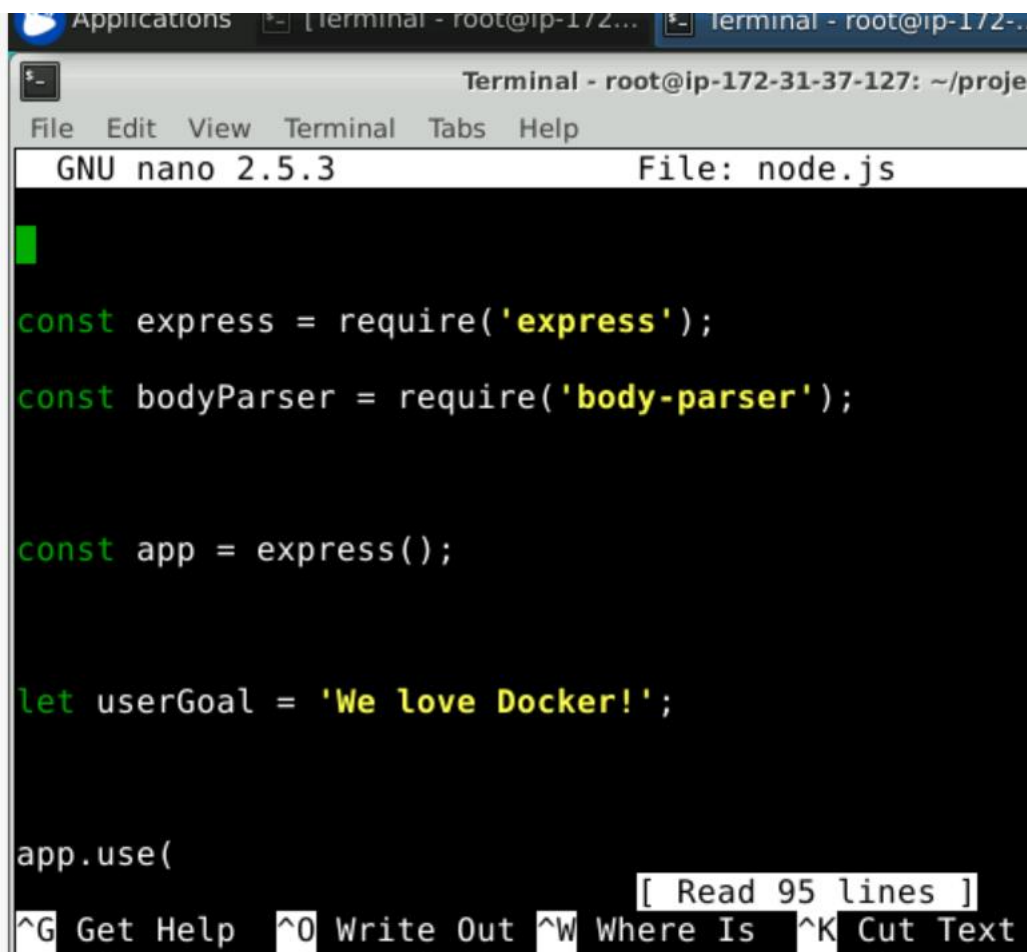
```
Terminal - root@ip-172-31-37-127: ~/project1
File Edit View Terminal Tabs Help
+---[SHA256]-----+
root@ip-172-31-37-127:~# cat /root/.ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQCuLekhMZC02lbZ4ia7uICnRmATPk0aUDPHl10b5R04
gPJsxSeGb+59atwa6Tzr6jHhaqKY86fv5SEwtRsDmDJkMVhNwSqqnBm0epBNXs+79TirCdaV0JHohBEJ
h3FNUgbhYp3b0oNiS4Z0JSqUM/+KdFuhjKHMZTrZtKUvZL1C80Ho2z/8U012qtCET2LRCXsVdZn9vlig
mx5Xj/kIklaAAah194FyJaLJTxtmvUsHVtfGJt8zEVrvUxlhRHkx5LtD/QTuRRtadIHwN1s6EGXndkJx
yaZyWtnyp08LTmCuvMpjDULuEc5o7+YK0Vlxlw2Gvuu56HH/HPVXVFkAsf91 root@ip-172-31-37-1
27
root@ip-172-31-37-127:~# git branch
root@ip-172-31-37-127:~# cd project1
root@ip-172-31-37-127:~/project1# ls
index.html node.js package.jos page.html server.js
root@ip-172-31-37-127:~/project1# git status
On branch master
nothing to commit, working directory clean
root@ip-172-31-37-127:~/project1# git branch
* master
root@ip-172-31-37-127:~/project1# cd
root@ip-172-31-37-127:~# cd myproject1
-su: cd: myproject1: No such file or directory
root@ip-172-31-37-127:~# cd project1
root@ip-172-31-37-127:~/project1# ls
```



A terminal window titled "Terminal - root@ip-172-31-37-127: ~/project1" showing a series of git commands and their output. The user navigates to the project directory, adds files, commits, adds a remote origin, and pushes to a GitHub repository.

```
root@ip-172-31-37-127:~# cd myproject1
-su: cd: myproject1: No such file or directory
root@ip-172-31-37-127:~# cd project1
root@ip-172-31-37-127:~/project1# ls
index.html  node.js  package.jos  page.html  server.js
root@ip-172-31-37-127:~/project1# git add .
root@ip-172-31-37-127:~/project1# git commit-m"final commit"
git: 'commit-mfinal commit' is not a git command. See 'git --help'.
root@ip-172-31-37-127:~/project1# git commit -m"final commit"
On branch master
nothing to commit, working directory clean
root@ip-172-31-37-127:~/project1# git remote add origin git@github.com:Ritheesh7/myproject1.git
root@ip-172-31-37-127:~/project1# git push origin master
Counting objects: 9, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (7/7), done.
Writing objects: 100% (9/9), 1.27 KiB | 0 bytes/s, done.
Total 9 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), done.
remote: To git@github.com:Ritheesh7/myproject1.git
* [new branch]      master -> master
```

- Framework/Language: Angular application with node.js



A terminal window titled "Terminal - root@ip-172-31-37-127: ~/proje" showing the nano 2.5.3 text editor editing a file named "node.js". The code visible in the editor is for an Express.js application.

```
GNU nano 2.5.3 File: node.js

const express = require('express');
const bodyParser = require('body-parser');

const app = express();

let userGoal = 'We love Docker!';

app.use(
[ Read 95 lines ]
^G Get Help ^O Write Out ^W Where Is ^K Cut Text
```

```
File Edit View Terminal Tabs Help
GNU nano 2.5.3 File: package.json

{
  "name": "docker-complete",
  "version": "1.0.0",
  "description": "",
  "main": "server.js",
  "author": "Maximilian Schwarzmüller / Academind GmbH",
  "license": "MIT",
  "dependencies": {
    [ Read 27 lines ]
  }
}

^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell ^_ Go To Line
```

```
n branch master
ntracked files:
(use "git add <file>..." to include in what will be committed)

    name.txt
    sample.java

Nothing added to commit but untracked files present (use "git add" to track)
root@ip-172-31-37-127:~/project1# nano .gitignore
root@ip-172-31-37-127:~/project1# git add .
root@ip-172-31-37-127:~/project1# git commit -m"final push"
master d00c433] final push
2 files changed, 30 insertions(+)
create mode 100644 sample.java
root@ip-172-31-37-127:~/project1# git status
n branch master
Nothing to commit, working directory clean
root@ip-172-31-37-127:~/project1# git push origin master
Counting objects: 4, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
```