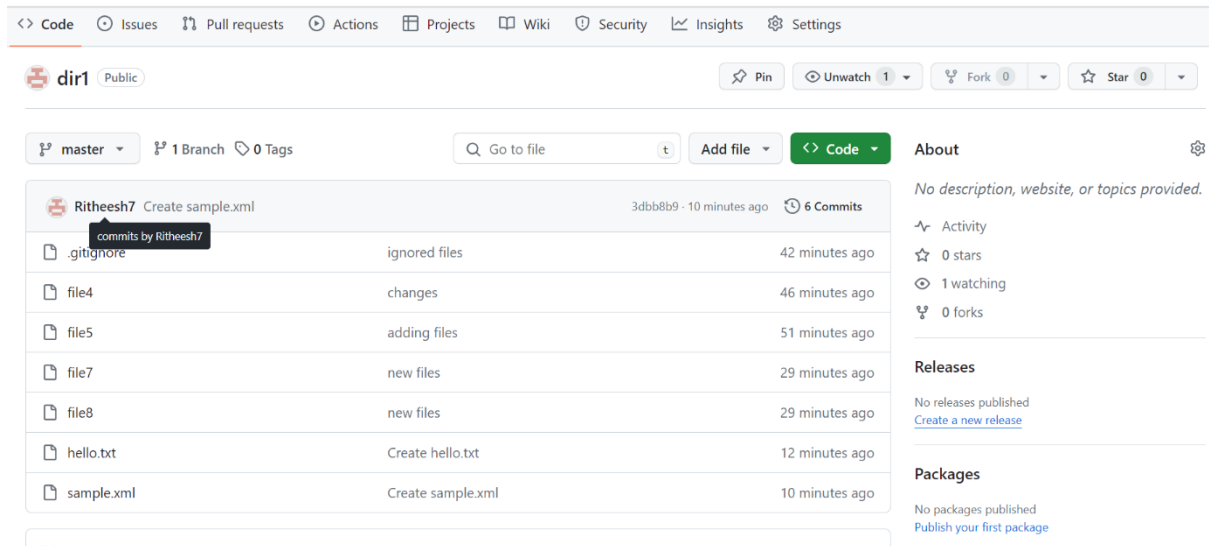


Phase-1 Practice Project: Assisted Practice

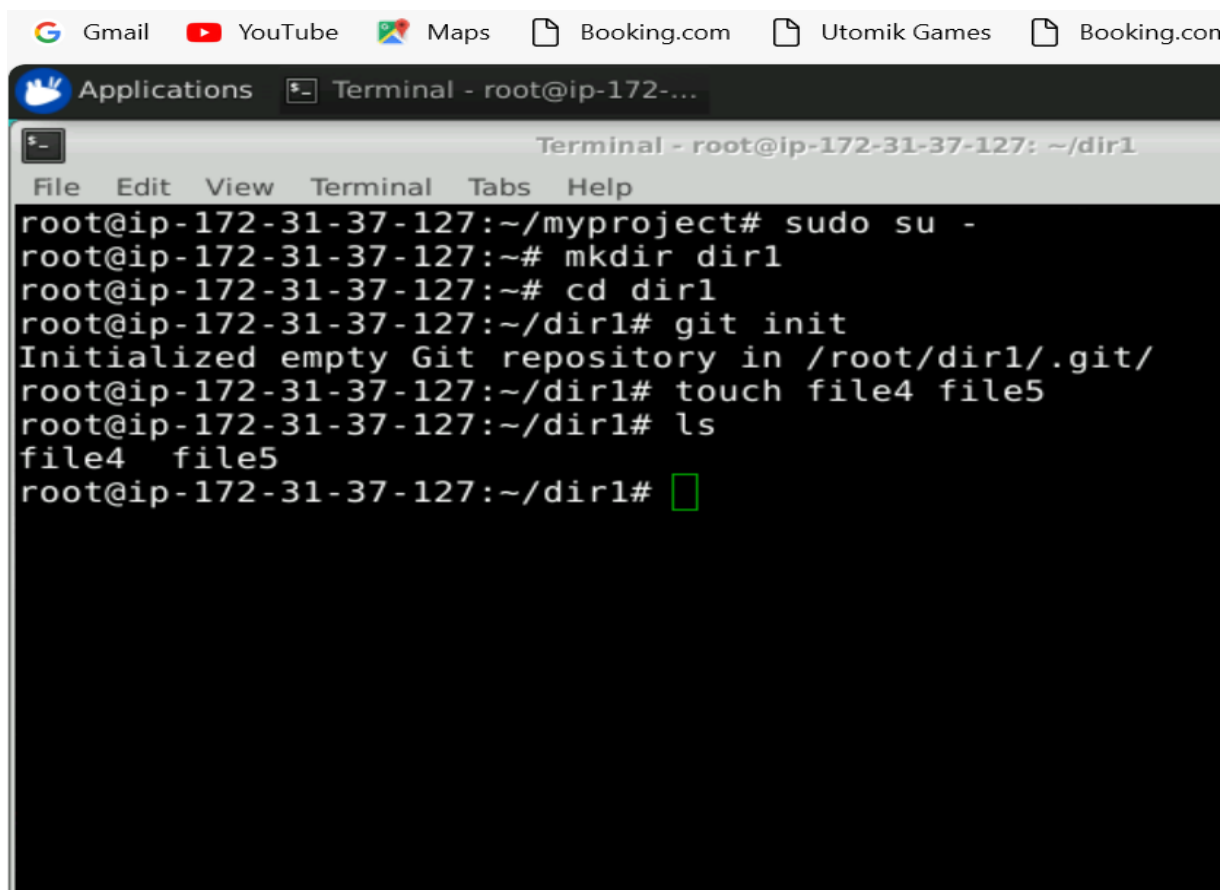
Set Up and Create a Git Repository.



The screenshot shows a GitHub repository named 'dir1' (Public). The repository has 1 branch (master) and 0 tags. The commit history shows 6 commits by user 'Ritheesh7'. The commit messages and file changes are as follows:

Commit Message	Changes	Time Ago
3dbb8b9 - 10 minutes ago	6 Commits	
ignored files	42 minutes ago	
changes	46 minutes ago	
adding files	51 minutes ago	
new files	29 minutes ago	
new files	29 minutes ago	
Create hello.txt	12 minutes ago	
Create sample.xml	10 minutes ago	

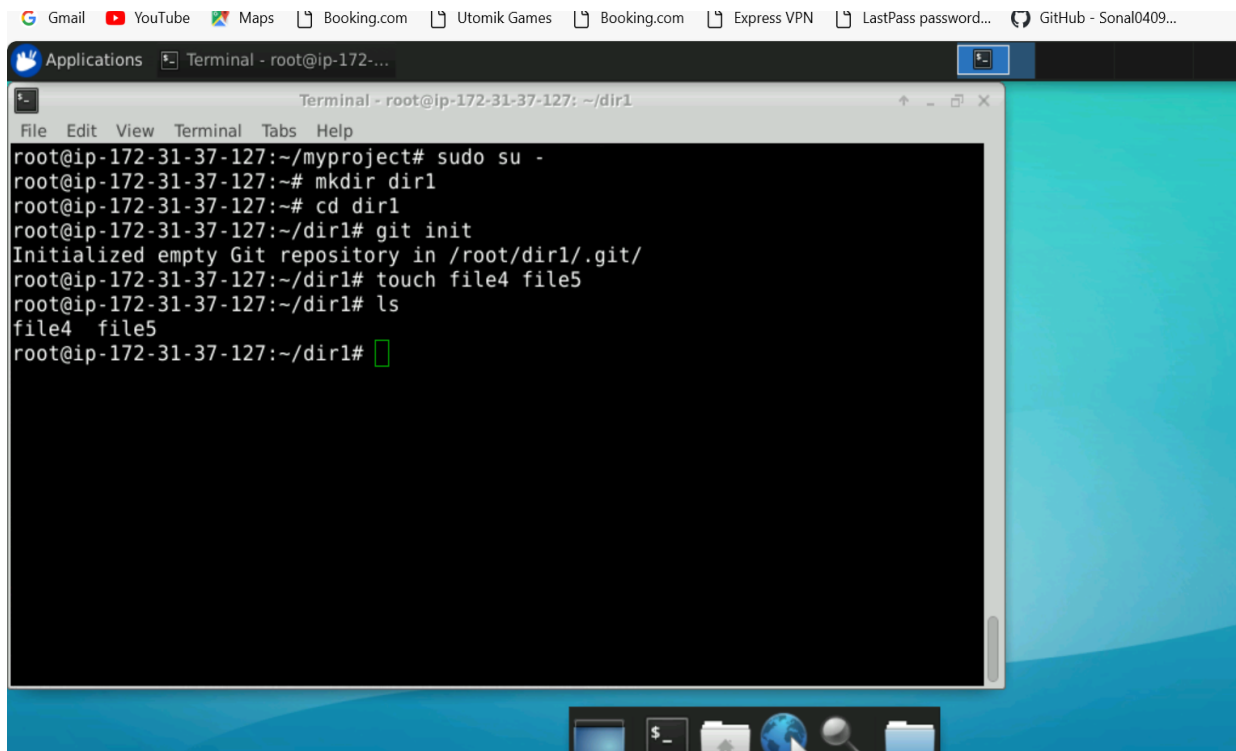
The repository also shows sections for Activity, Stars (0), Watching (1), Forks (0), Releases (No releases published), and Packages (No packages published).



The screenshot shows a terminal window with the following commands and output:

```
root@ip-172-31-37-127:~/myproject# sudo su -
root@ip-172-31-37-127:~# mkdir dir1
root@ip-172-31-37-127:~# cd dir1
root@ip-172-31-37-127:~/dir1# git init
Initialized empty Git repository in /root/dir1/.git/
root@ip-172-31-37-127:~/dir1# touch file4 file5
root@ip-172-31-37-127:~/dir1# ls
file4  file5
root@ip-172-31-37-127:~/dir1#
```

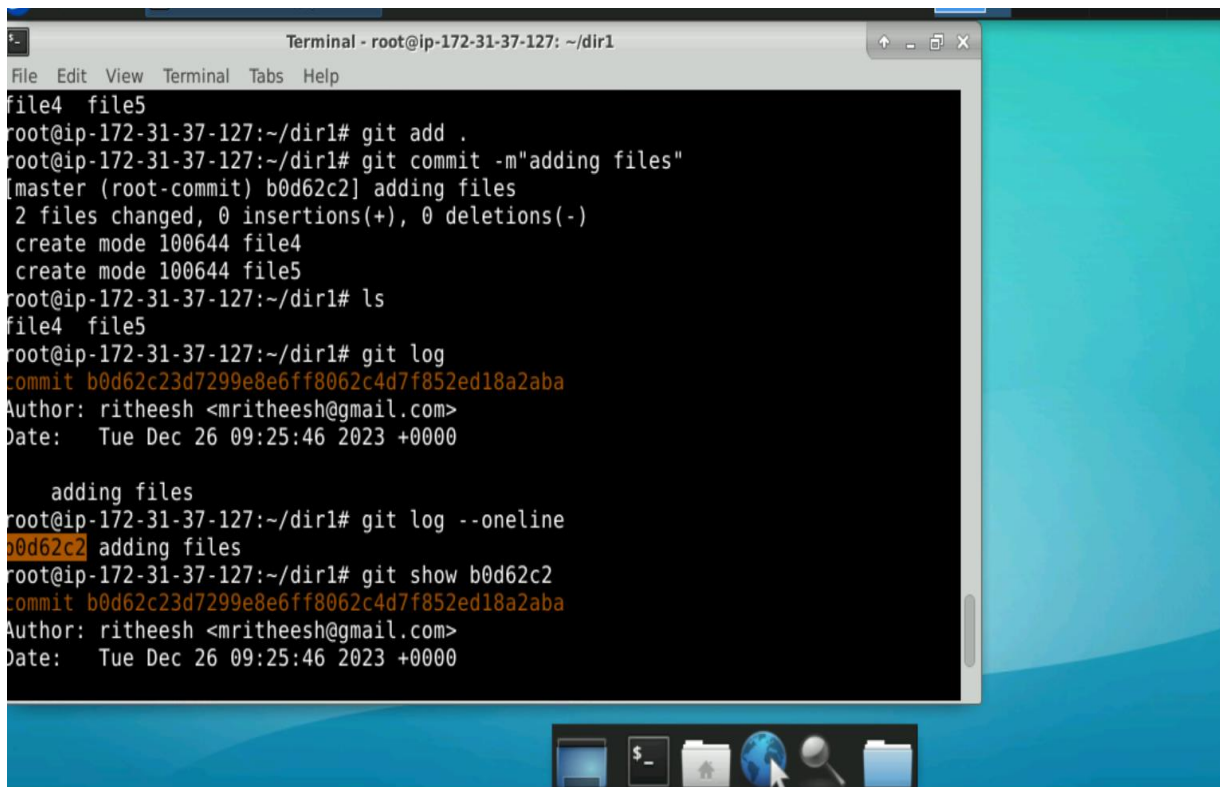
CRUD Operations in Git



A screenshot of a terminal window titled "Terminal - root@ip-172-31-37-127: ~/dir1". The terminal shows the following commands and output:

```
root@ip-172-31-37-127:~/myproject# sudo su -
root@ip-172-31-37-127:~# mkdir dir1
root@ip-172-31-37-127:~# cd dir1
root@ip-172-31-37-127:~/dir1# git init
Initialized empty Git repository in /root/dir1/.git/
root@ip-172-31-37-127:~/dir1# touch file4 file5
root@ip-172-31-37-127:~/dir1# ls
file4  file5
root@ip-172-31-37-127:~/dir1#
```

The terminal window is part of a desktop environment with a blue background and a taskbar at the bottom containing icons for a terminal, file manager, and other applications.



A screenshot of a terminal window titled "Terminal - root@ip-172-31-37-127: ~/dir1". The terminal shows the following commands and output:

```
file4  file5
root@ip-172-31-37-127:~/dir1# git add .
root@ip-172-31-37-127:~/dir1# git commit -m"adding files"
[master (root-commit) b0d62c2] adding files
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file4
create mode 100644 file5
root@ip-172-31-37-127:~/dir1# ls
file4  file5
root@ip-172-31-37-127:~/dir1# git log
commit b0d62c23d7299e8e6ff8062c4d7f852ed18a2aba
Author: ritheesh <mritheesh@gmail.com>
Date: Tue Dec 26 09:25:46 2023 +0000

    adding files
root@ip-172-31-37-127:~/dir1# git log --oneline
b0d62c2 adding files
root@ip-172-31-37-127:~/dir1# git show b0d62c2
commit b0d62c23d7299e8e6ff8062c4d7f852ed18a2aba
Author: ritheesh <mritheesh@gmail.com>
Date: Tue Dec 26 09:25:46 2023 +0000
```

The terminal window is part of a desktop environment with a blue background and a taskbar at the bottom containing icons for a terminal, file manager, and other applications.

```

new file mode 100644
index 0000000..e69de29
root@ip-172-31-37-127:~/dir1# nano file4
root@ip-172-31-37-127:~/dir1# git add .
root@ip-172-31-37-127:~/dir1# git commit -m"changes"
[master e9d110f] changes
 1 file changed, 2 insertions(+)
root@ip-172-31-37-127:~/dir1# git show
commit e9d110f4f0542ecd385eba56d6951f1dec375a38
Author: ritheesh <mritheesh@gmail.com>
Date: Tue Dec 26 09:30:05 2023 +0000

    changes

diff --git a/file4 b/file4
index e69de29..d35563e 100644
--- a/file4
+++ b/file4
@@ -0,0 +1,2 @@
+hello world
+
root@ip-172-31-37-127:~/dir1# █

```

```

hello world

oot@ip-172-31-37-127:~/dir1# touch name.txt python.txt java3.xml
oot@ip-172-31-37-127:~/dir1# git .ignore
git: '.ignore' is not a git command. See 'git --help'.
oot@ip-172-31-37-127:~/dir1# nano .gitignore
oot@ip-172-31-37-127:~/dir1# git status
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)
oot@ip-172-31-37-127:~/dir1# git add .
oot@ip-172-31-37-127:~/dir1# git commit -m"ignored files"
[master 8934126] ignored files
 1 file changed, 2 insertions(+)
 create mode 100644 .gitignore
oot@ip-172-31-37-127:~/dir1# █

```

```
create mode 100644 file7
create mode 100644 file8
root@ip-172-31-37-127:~/dir1# ls
file4 file5 file7 file8 java3.xml name.txt python.txt
root@ip-172-31-37-127:~/dir1# git branch
* login
master
root@ip-172-31-37-127:~/dir1# git merge login master
Already up-to-date.
root@ip-172-31-37-127:~/dir1# git checkout master
Switched to branch 'master'
root@ip-172-31-37-127:~/dir1# git merge login master
Updating 8934126..2490fe8
Fast-forward
 file7 | 0
 file8 | 0
 2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file7
create mode 100644 file8
root@ip-172-31-37-127:~/dir1# git merge login master
Already up-to-date.
root@ip-172-31-37-127:~/dir1#
```

```
root@ip-172-31-37-127:~/dir1# git branch -M login authour
root@ip-172-31-37-127:~/dir1# git status
On branch master
nothing to commit, working directory clean
root@ip-172-31-37-127:~/dir1# git branch
authour
* master
root@ip-172-31-37-127:~/dir1# git barnch -d authour
git: 'barnch' is not a git command. See 'git --help'.

Did you mean this?
branch
root@ip-172-31-37-127:~/dir1# git branch -d authour
Deleted branch authour (was 2490fe8).
root@ip-172-31-37-127:~/dir1# git branch
* master
root@ip-172-31-37-127:~/dir1#
```

Set Up and Configure GitHub Account

```
Terminal - root@ip-172-31-37-127: ~/dir1
File Edit View Terminal Tabs Help
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQCAgawU669ebNfMLvD7s3xm5fMs08vP9QTFWJrXWLazKamngwHx5j62IzdthPcR81y/CwwJl16LhmK8jb9jff
VTPcwzwIi07NNve7c5AZwF0szzmokFNz1cxpbCJG1vDLqKbsqzY1NK0n3q01SUQuuKjqEnKb0D1WQ550QSSuMSTJ1HOSLUxNNP5l0M4fvrBknibXPZqPZ
TFKK9DcthiFU1MDh+6fL5Blw5Weox4VQ9B/zdd0Lz+sB7HMMWgTAsuPIpfDbViWKL8qNK4+MxUgSplWcjC00ly8uyj9Kmbge0uQ3yS1qCaeslcfm8qufSEeU5
rgeUHLB9KLNXdBZhv root@ip-172-31-37-127
root@ip-172-31-37-127:~/dir1# cd dir1
root@ip-172-31-37-127:~/dir1# git checkout master
Already on 'master'
root@ip-172-31-37-127:~/dir1# git status
On branch master
nothing to commit, working directory clean
root@ip-172-31-37-127:~/dir1# git remote add origin git@github.com:Ritheesh7/dir1.git
root@ip-172-31-37-127:~/dir1# git remote -v
origin  git@github.com:Ritheesh7/dir1.git (fetch)
origin  git@github.com:Ritheesh7/dir1.git (push)
root@ip-172-31-37-127:~/dir1# git push origin master
Warning: Permanently added the ECDSA host key for IP address '140.82.113.4' to the list of known hosts.
Counting objects: 11, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (8/8), done.
Writing objects: 100% (11/11), 888 bytes | 0 bytes/s, done.
Total 11 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), done.
```

```
root@ip-172-31-37-127:~/dir1# git pull origin master
Warning: Permanently added the ECDSA host key for IP address '140.82.113.3' to the list of known hosts.
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 6 (delta 2), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (6/6), done.
From github.com:Ritheesh7/dir1
* branch                master      -> FETCH_HEAD
   2490fe8..3dbb8b9      master      -> origin/master
Updating 2490fe8..3dbb8b9
Fast-forward
 hello.txt | 1 +
 sample.xml | 1 +
 2 files changed, 2 insertions(+)
 create mode 100644 hello.txt
 create mode 100644 sample.xml
root@ip-172-31-37-127:~/dir1# ls -al
total 28
-rwxr-xr-x  3 root root 4096 Dec 26 10:07 .
```