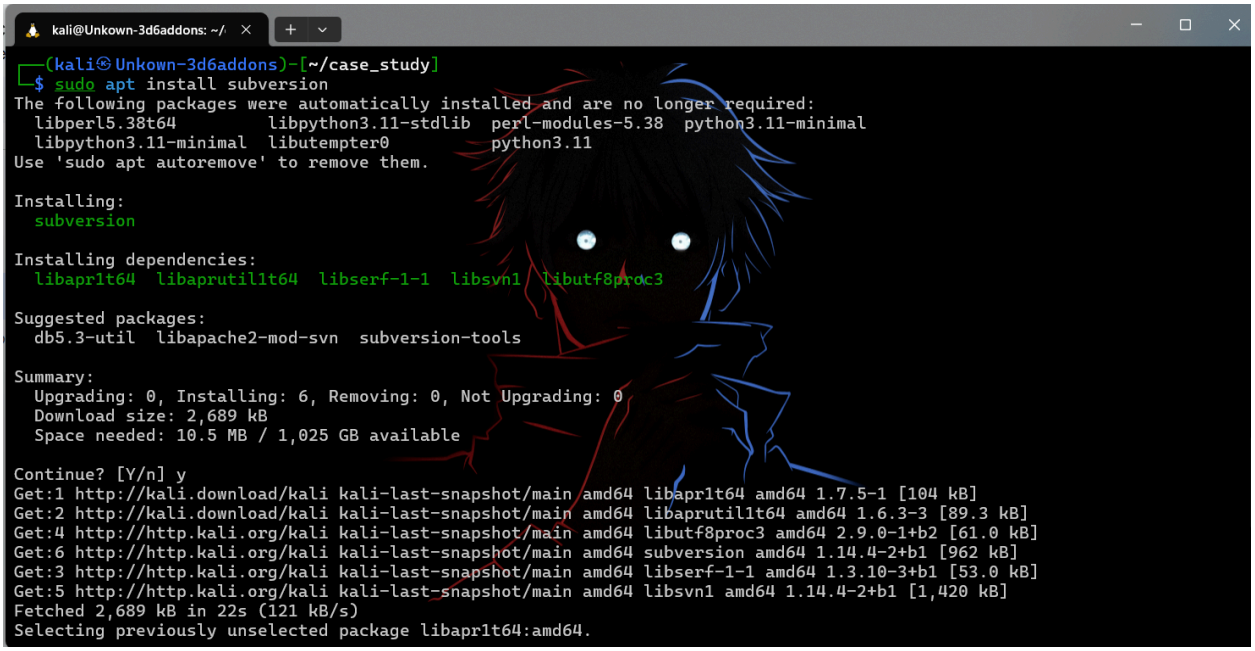
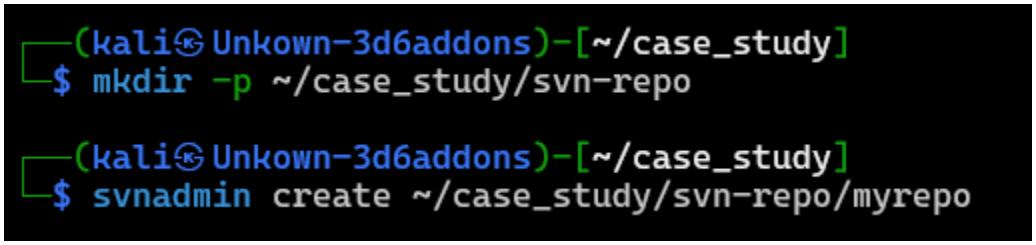
## Step 1: Install SVN

sudo apt install subversion



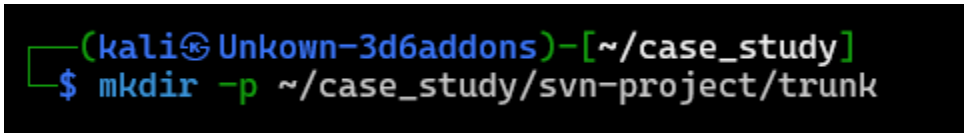

## Step 2: Create an SVN Repository

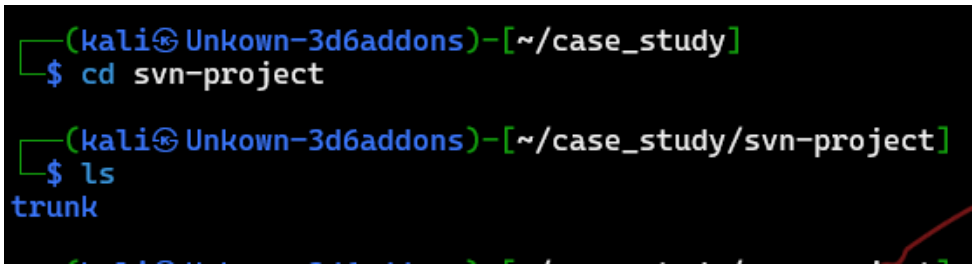
1. Create a directory for your SVN repository:
   `mkdir -p ~/case_study/svn-repo`
2. Initialize the SVN repository:
   `svnadmin create ~/case_study/svn-repo/myrepo`




## Step 3: Add Program Code to the SVN Repository

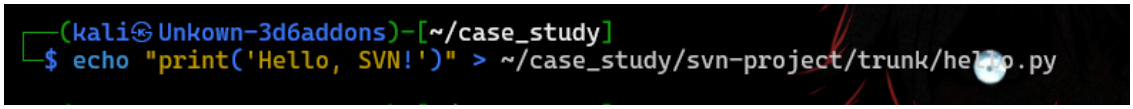
1. Create a working directory for your SVN project:
   `mkdir -p ~/case_study/svn-project/trunk`




2. Add some code files to the `trunk` directory:

   `echo "print('Hello, SVN!')" > ~/case_study/svn-project/trunk/hello.py`




3. Import the code into the SVN repository:

   `svn import ~/case_study/svn-project file://home/kali/case_study/svn-repo/myrepo -m "Initial import"`


4.Create version labels (tags) in SVN:

Check out the repository:

svn checkout file://$HOME/case_study/svn-repo/myrepo/trunk ~/svn-working-copy

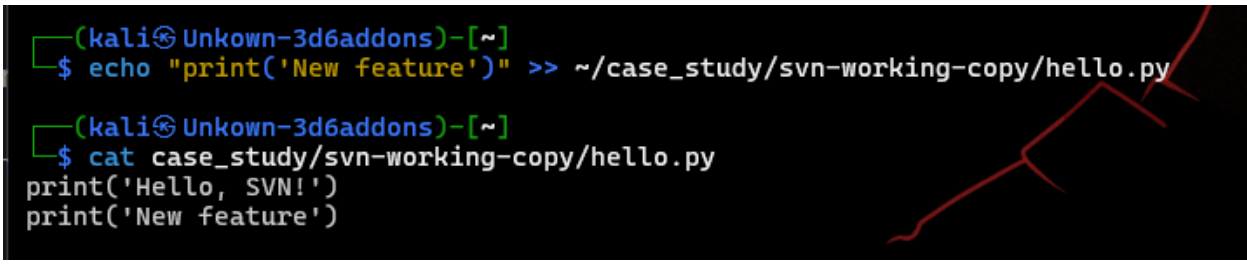
Create a tag for version 1.0:

svn copy file://$HOME/case_study/svn-repo/myrepo/trunk file://$HOME/svn-repo/myrepo/tags/v1.0 -m "Tagging version 1.0"

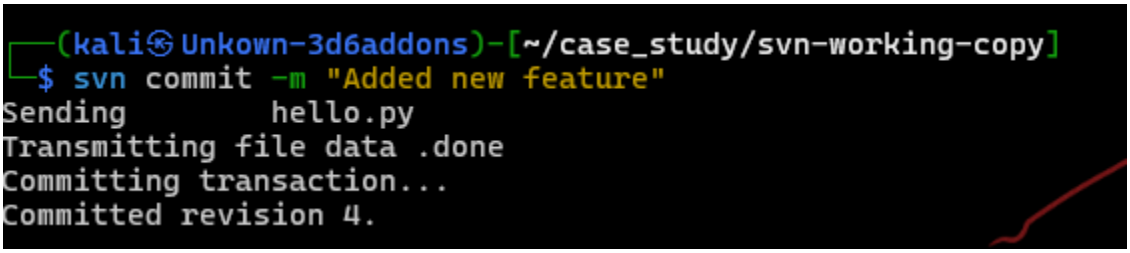



Make changes and create another tag for version 2.0:

echo "print('New feature')" >> ~/case_study/svn-working-copy/hello.py




svn commit -m "Added new feature"




svn copy file://$HOME/case_study/svn-repo/myrepo/trunk file://$HOME/case_study/svn-repo/myrepo/tags/v2.0 -m "Tagging version 2.0"


**2. Migrate from SVN to Git**

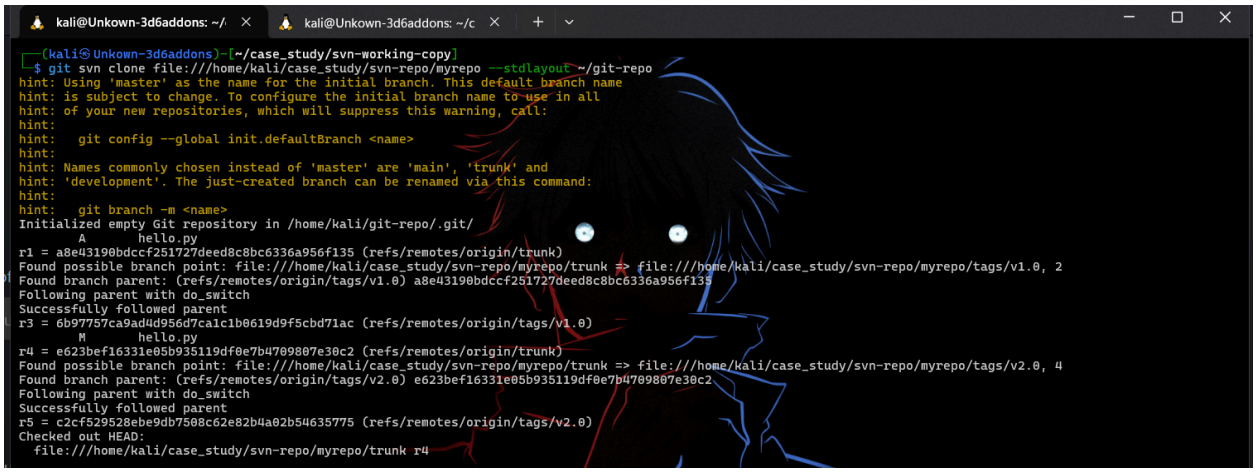
1. Install `git-svn`:

   `sudo apt install git-svn `

2. Clone the SVN repository into a Git repository:

   git svn clone file://$HOME/case_study/svn-repo/myrepo --stdlayout ~/git-repo

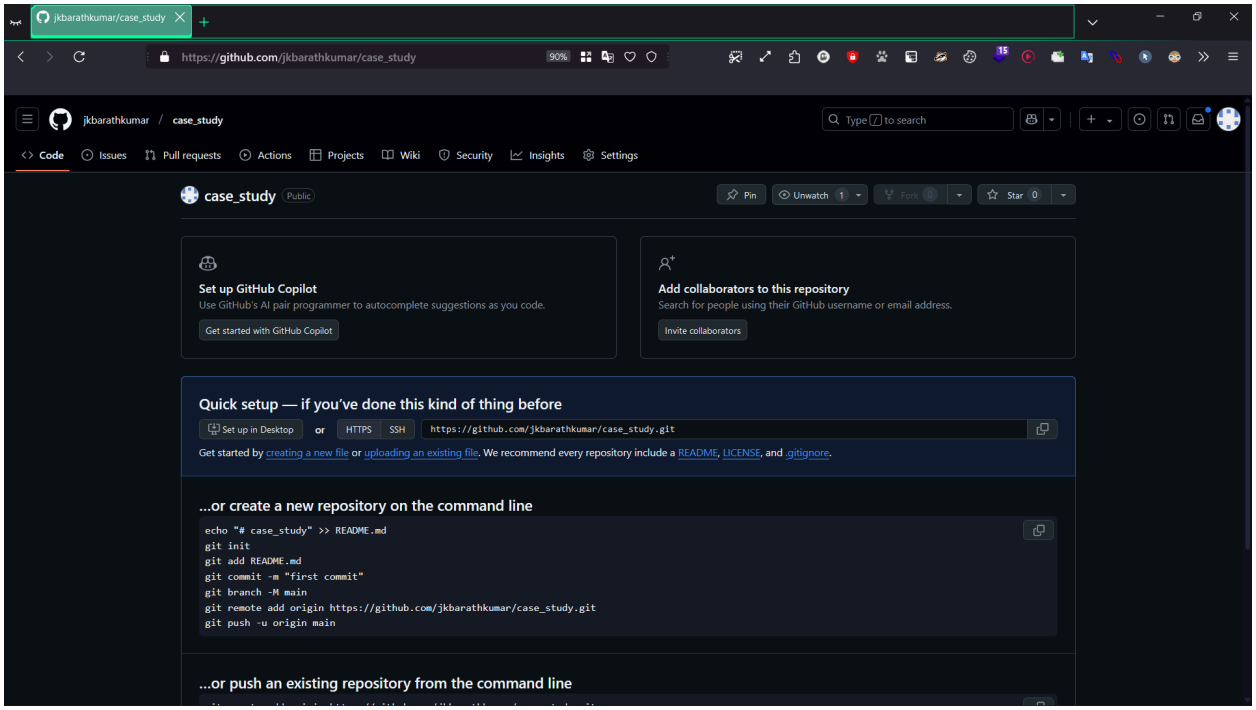
   - The `--stdlayout` flag assumes the standard SVN layout (`trunk`, `branches`, `tags`).




3. Verify the migration:
   `cd ~/git-repo`

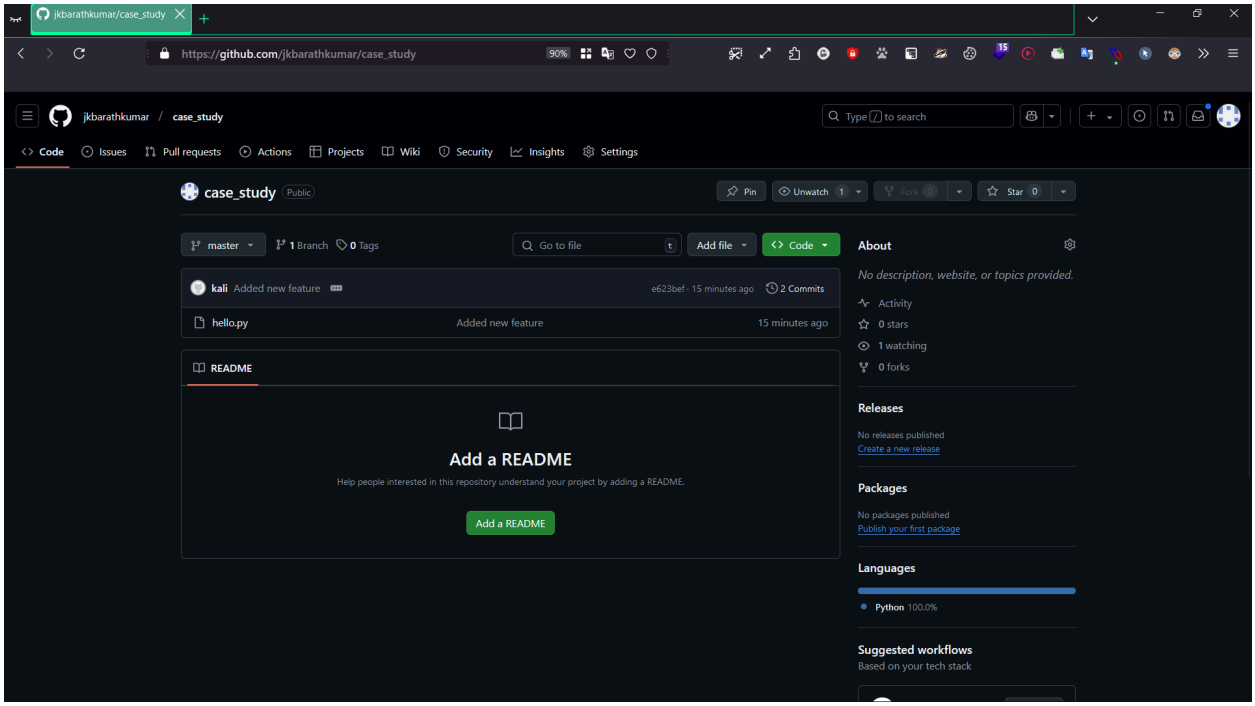
   `git log --oneline`


4. Push the Git repository to GitHub:
   a. Create a new repository on GitHub.




b. Add the remote URL:
   git remote add origin https://github.com/jkbarathkumar/case_study.git
c. Push the code:
   git push -u origin master

```
Barathkumar@Unkown-3d6addons MINGW64 //wsl.localhost/kali-linux/home/kali/git-repo (master)
$ git push -u origin master
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (6/6), 530 bytes | 25.00 KiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/jkbarathkumar/case_study.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
```


jkbarathkumar/case_study
https://github.com/jkbarathkumar/case_study
jkbarathkumar / case_study
Type / to search
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
case_study
Public
Pin
Unwatch 1
Fork 0
Star 0
master
1 Branch
0 Tags
Go to file
t
Add file
Code
kali Added new feature
e623bef · 15 minutes ago
2 Commits
hello.py
Added new feature
15 minutes ago
README
Add a README
Help people interested in this repository understand your project by adding a README.
Add a README
About
No description, website, or topics provided.
Activity
0 stars
1 watching
0 forks
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package
Languages
Python 100.0%
Suggested workflows
Based on your tech stack