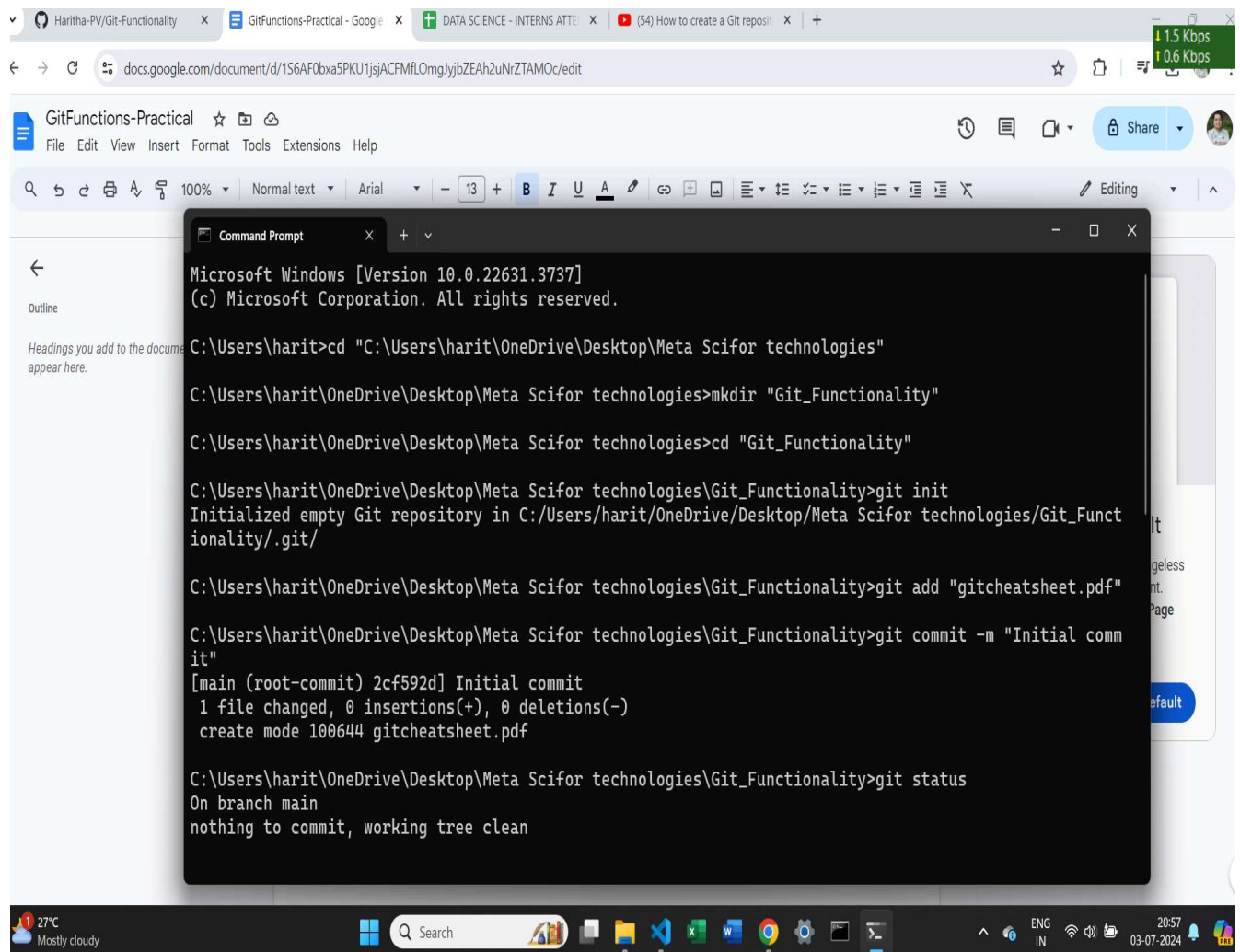


PROBLEM STATEMENT (03-07-2024)Haritha PV

1. Creating a new repository.

a.Run the program and project by git

b.Add any one pdf file from your local to GitHub by git



```
Microsoft Windows [Version 10.0.22631.3737]
(c) Microsoft Corporation. All rights reserved.

C:\Users\harit>cd "C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies"

C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies>mkdir "Git_Functionality"

C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies>cd "Git_Functionality"

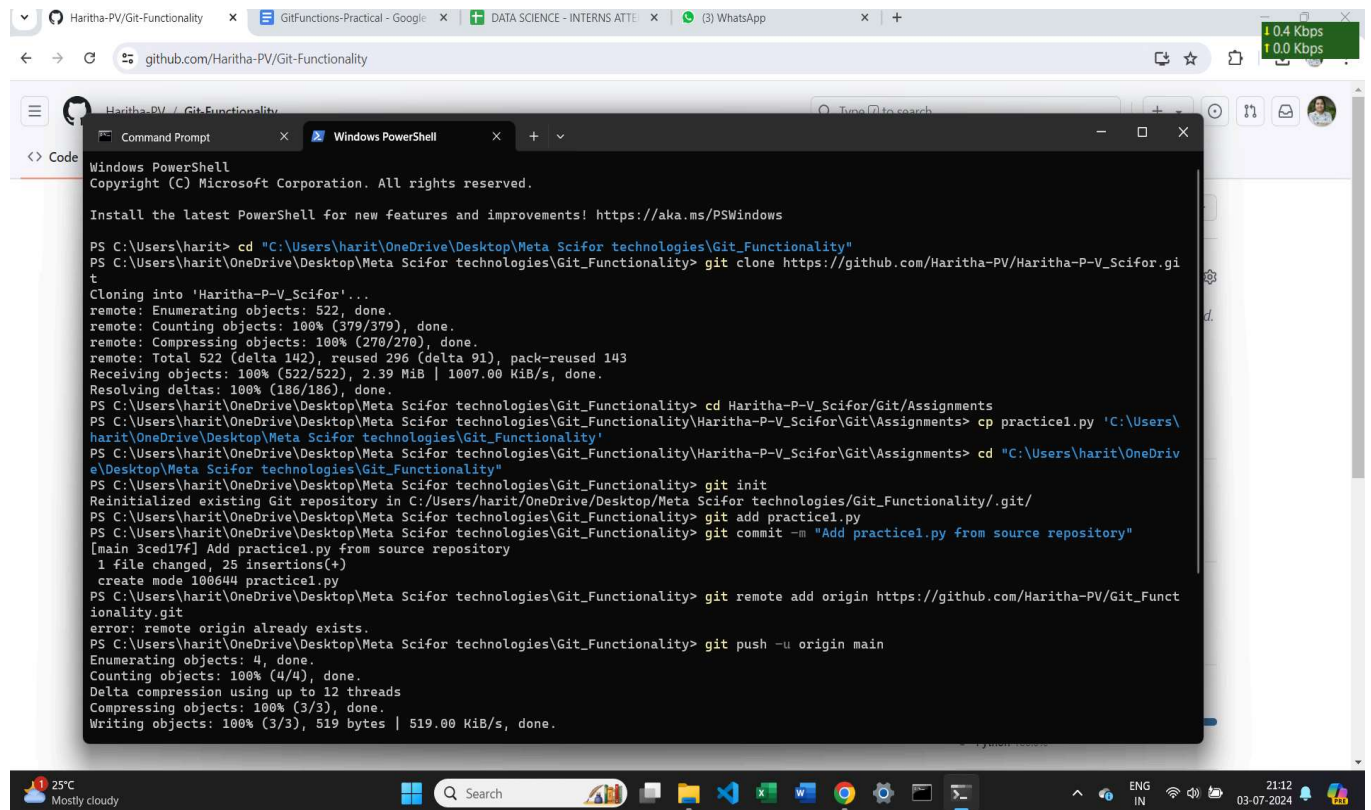
C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\Git_Functionality>git init
Initialized empty Git repository in C:/Users/harit/OneDrive/Desktop/Meta Scifor technologies/Git_Functionality/.git/

C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\Git_Functionality>git add "gitcheatsheet.pdf"

C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\Git_Functionality>git commit -m "Initial commit"
[main (root-commit) 2cf592d] Initial commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 gitcheatsheet.pdf

C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\Git_Functionality>git status
On branch main
nothing to commit, working tree clean
```

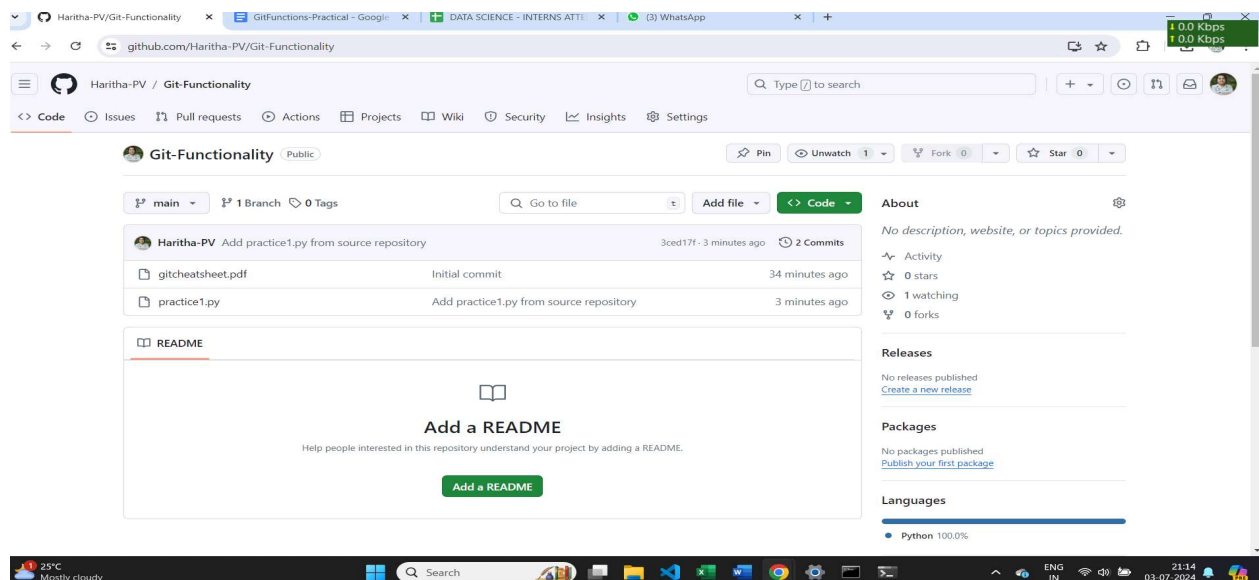
c. Clone any one program in same repository by git



```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

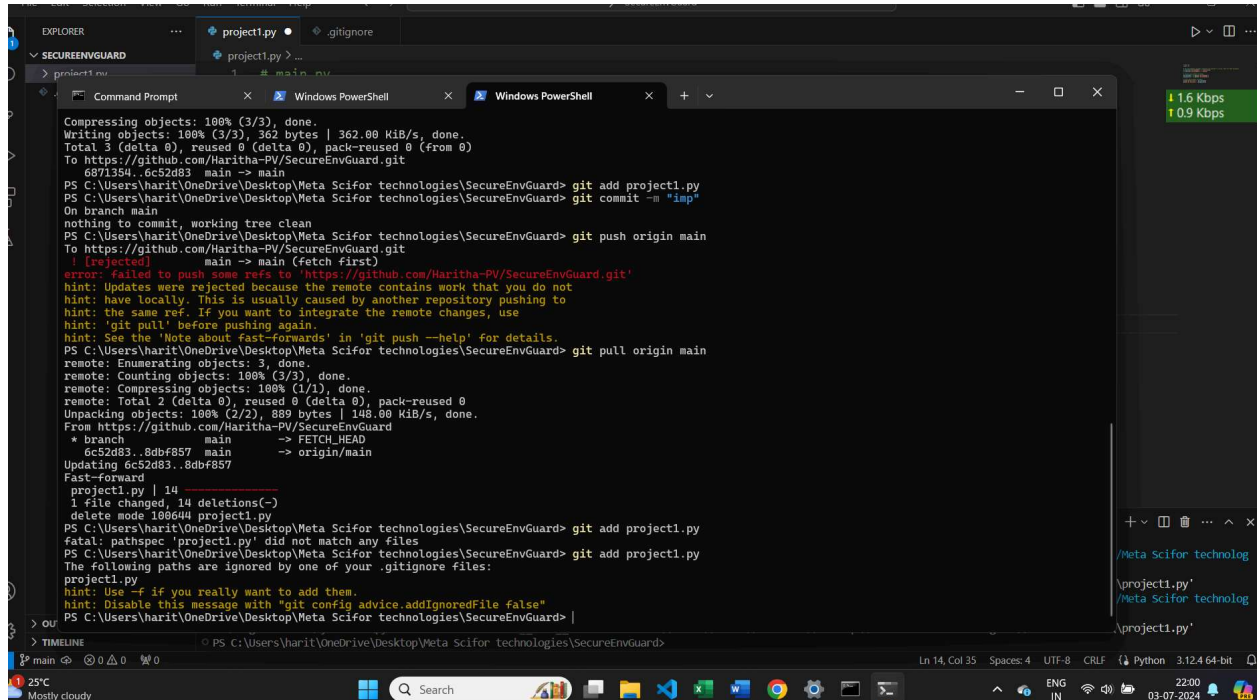
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\harit> cd "C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\Git_Functionality"
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\Git_Functionality> git clone https://github.com/Haritha-PV/Haritha-P-V_Scifer.git
Cloning into 'Haritha-P-V_Scifer'...
remote: Enumerating objects: 522, done.
remote: Counting objects: 100% (379/379), done.
remote: Compressing objects: 100% (270/270), done.
remote: Total 522 (delta 142), reused 296 (delta 91), pack-reused 143
Receiving objects: 100% (522/522), 2.39 MiB | 1007.00 KiB/s, done.
Resolving deltas: 100% (186/186), done.
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\Git_Functionality> cd Haritha-P-V_Scifer/Git/Assignments
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\Git_Functionality\Haritha-P-V_Scifer\Git\Assignments> cp practice1.py 'C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\Git_Functionality\Haritha-P-V_Scifer\Git\Assignments'
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\Git_Functionality\Haritha-P-V_Scifer\Git\Assignments> cd "C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\Git_Functionality"
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\Git_Functionality> git init
Reinitialized existing Git repository in C:/Users/harit/OneDrive/Desktop/Meta Scifor technologies/Git_Functionality/.git/
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\Git_Functionality> git add practice1.py
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\Git_Functionality> git commit -m "Add practice1.py from source repository"
[main 3ced17f] Add practice1.py from source repository
1 file changed, 25 insertions(+)
create mode 100644 practice1.py
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\Git_Functionality> git remote add origin https://github.com/Haritha-PV/Git_Functionality.git
error: remote origin already exists.
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\Git_Functionality> git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 519 bytes | 519.00 KiB/s, done.
```

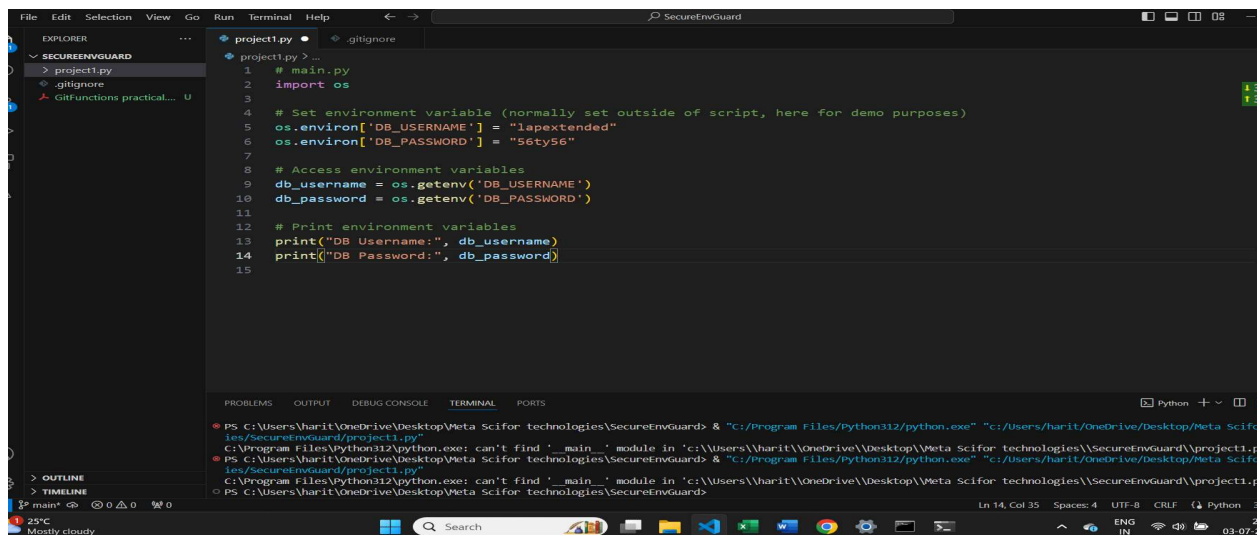


Problem statement 2

Environment variables shouldn't get uploaded on GitHub so how will you delete the environment file while uploading codebase on GitHub?

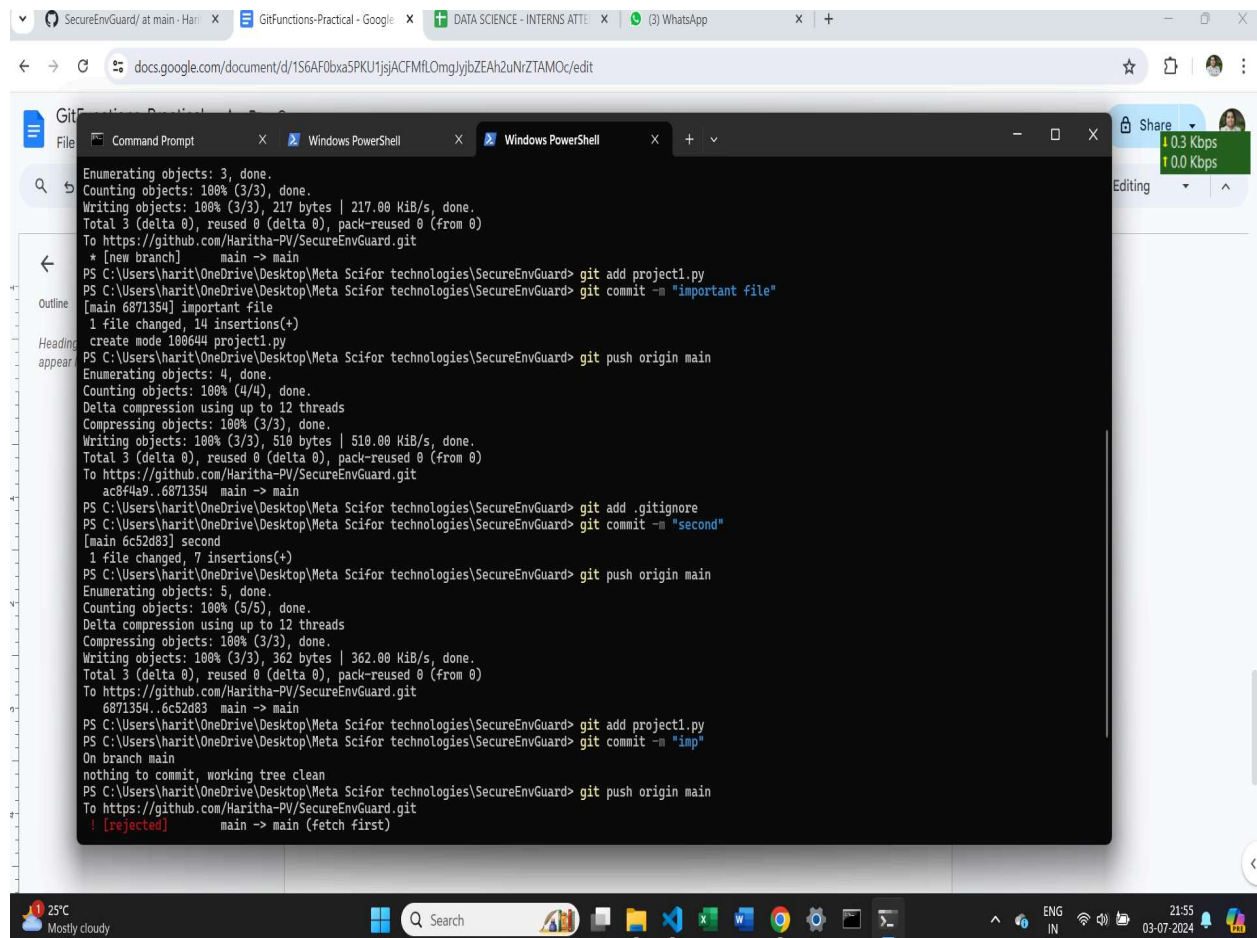


```
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 362 bytes | 362.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Haritha-PV/SecureEnvGuard.git
6971354..6c52d83 main -> main
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\SecureEnvGuard> git add project1.py
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\SecureEnvGuard> git commit -m "imp"
On branch main
nothing to commit, working tree clean
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\SecureEnvGuard> git push origin main
To https://github.com/Haritha-PV/SecureEnvGuard.git
! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'https://github.com/Haritha-PV/SecureEnvGuard.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\SecureEnvGuard> git pull origin main
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (1/1), done.
remote: Total 2 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (2/2), 889 bytes | 148.00 KiB/s, done.
From https://github.com/Haritha-PV/SecureEnvGuard
* branch      main       -> FETCH_HEAD
6c52d83..8dbf857 main     -> origin/main
Updating 6c52d83..8dbf857
Fast-forward
 project1.py | 14
1 file changed, 14 deletions(-)
delete mode 100644 project1.py
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\SecureEnvGuard> git add project1.py
fatal: pathspec 'project1.py' did not match any files
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\SecureEnvGuard> git add project1.py
The following paths are ignored by one of your .gitignore files:
 project1.py
hint: Use -f if you really want to add them.
hint: Disable this message with 'git config advice.addIgnoredFile false'
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\SecureEnvGuard> |
```



```
1 # main.py
2 import os
3
4 # Set environment variable (normally set outside of script, here for demo purposes)
5 os.environ['DB_USERNAME'] = "laxextended"
6 os.environ['DB_PASSWORD'] = "5ety56"
7
8 # Access environment variables
9 db_username = os.getenv('DB_USERNAME')
10 db_password = os.getenv('DB_PASSWORD')
11
12 # Print environment variables
13 print("DB Username:", db_username)
14 print("DB Password:", db_password)
15
```

Change any line in code and do commit in any file of repository.



```
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 217 bytes | 217.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Haritha-PV/SecureEnvGuard.git
* [new branch] main -> main
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\SecureEnvGuard> git add project1.py
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\SecureEnvGuard> git commit -m "important file"
[main 6871354] important file
1 file changed, 14 insertions(+)
create mode 100644 project1.py
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\SecureEnvGuard> git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 510 bytes | 510.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Haritha-PV/SecureEnvGuard.git
ac8f4a9..6871354 main -> main
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\SecureEnvGuard> git add .gitignore
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\SecureEnvGuard> git commit -m "second"
[main 6c52d83] second
1 file changed, 7 insertions(+)
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\SecureEnvGuard> git push origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 362 bytes | 362.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Haritha-PV/SecureEnvGuard.git
6871354..6c52d83 main -> main
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\SecureEnvGuard> git add project1.py
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\SecureEnvGuard> git commit -m "imp"
On branch main
nothing to commit, working tree clean
PS C:\Users\harit\OneDrive\Desktop\Meta Scifor technologies\SecureEnvGuard> git push origin main
To https://github.com/Haritha-PV/SecureEnvGuard.git
! [rejected] main -> main (fetch first)
```