

Problem statement 1

1. Create repository fresh repository by git only and upload file by using git only and do below functions on same. And document each function with screenshot.

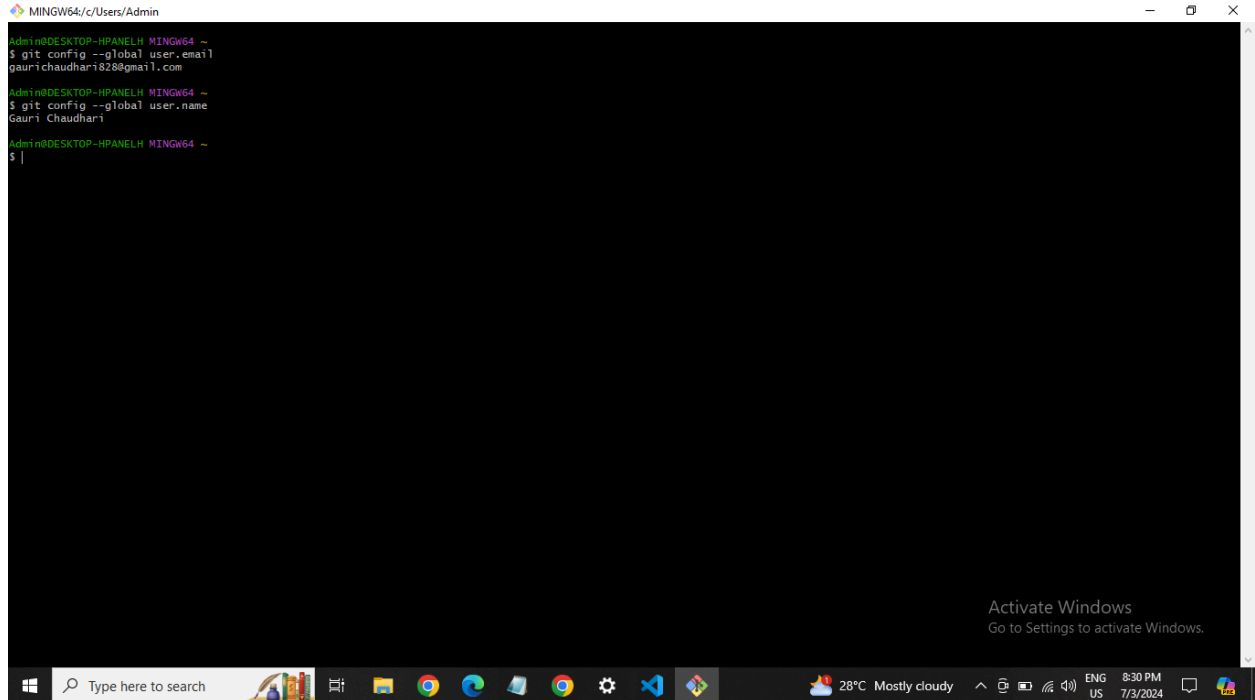
a.Run the program and project by git

```
MINGW64/c/Users/Admin

Admin@DESKTOP-HPANELH MINGW64 ~
$ git config --global user.email gaurichaudhari828@gmail.com

Admin@DESKTOP-HPANELH MINGW64 ~
$ git config --global user.name Gauri Chaudhari

Admin@DESKTOP-HPANELH MINGW64 ~
$ |
```



```
MINGW64/c/Users/Admin/ProblemStatement1

Admin@DESKTOP-HPANELH MINGW64 ~
$ git config --global user.email gaurichaudhari828@gmail.com

Admin@DESKTOP-HPANELH MINGW64 ~
$ git config --global user.name Gauri Chaudhari

Admin@DESKTOP-HPANELH MINGW64 ~
$ mkdir ProblemStatement1

Admin@DESKTOP-HPANELH MINGW64 ~
$ cd ProblemStatement1

Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1
$ git init
Initialized empty Git repository in C:/Users/Admin/ProblemStatement1/.git/

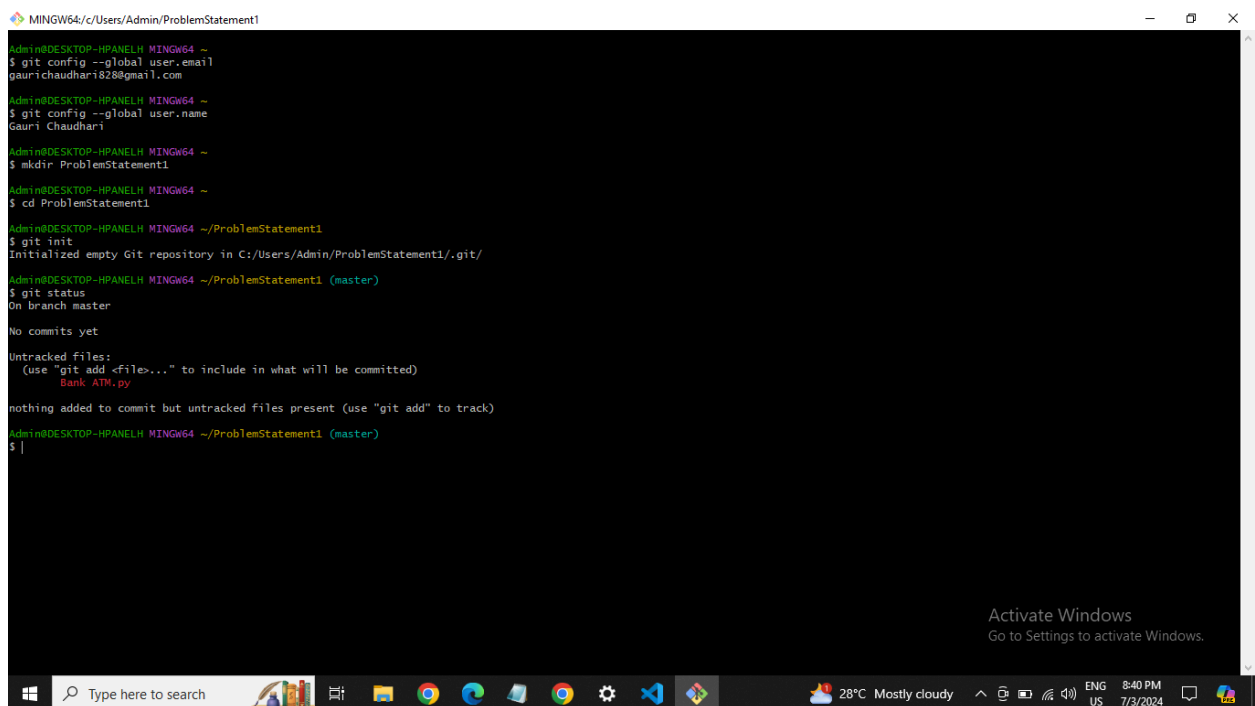
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Bank ATM.py

nothing added to commit but untracked files present (use "git add" to track)

Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ |
```



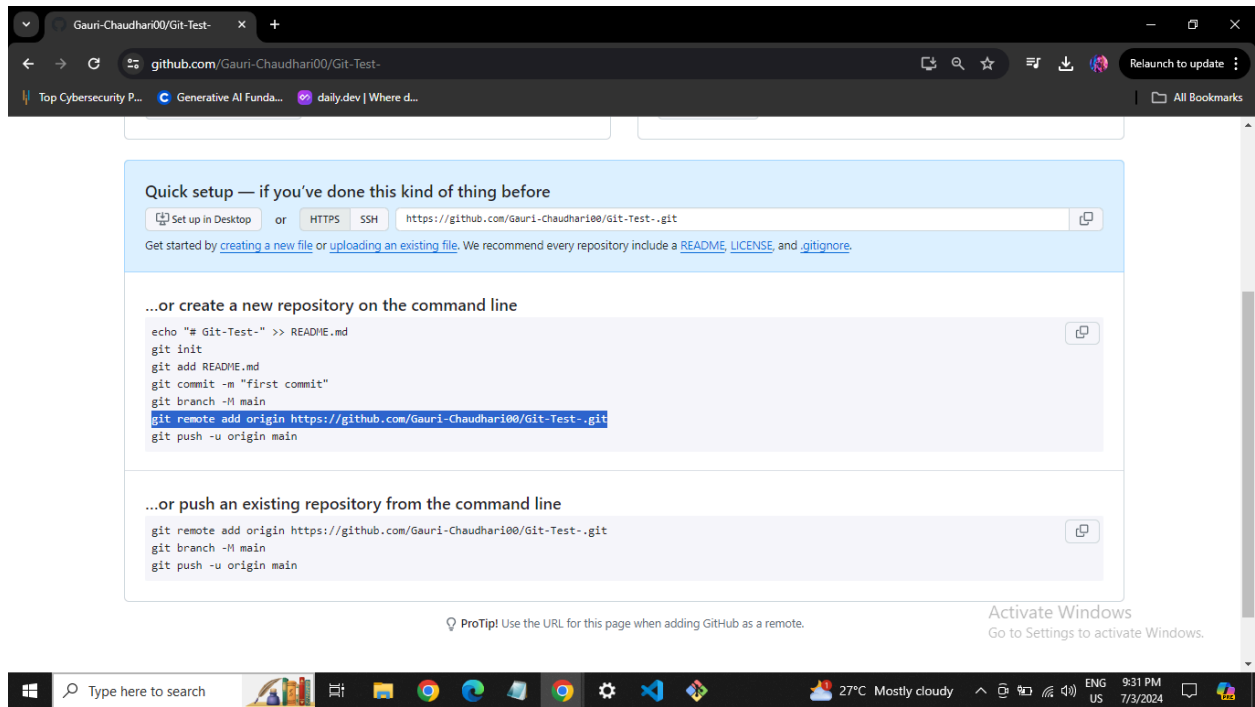
```
MINGW64/c/Users/Admin/ProblemStatement1
Admin@DESKTOP-HPANELH MINGW64 ~
$ git config --global user.email
gaurchaudhari82@gmail.com
Admin@DESKTOP-HPANELH MINGW64 ~
$ git config --global user.name
Gauri Chaudhari
Admin@DESKTOP-HPANELH MINGW64 ~
$ mkdir ProblemStatement1
Admin@DESKTOP-HPANELH MINGW64 ~
$ cd ProblemStatement1
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1
$ git init
Initialized empty Git repository in C:/Users/Admin/ProblemStatement1/.git/
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git status
On branch master
No commits yet
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Bank ATM.py
nothing added to commit but untracked files present (use "git add" to track)
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git add Bank ATM.py
fatal: pathspec 'Bank' did not match any files
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git add BankATM.py
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git status
On branch master
No commits yet
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   BankATM.py
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ |
```

```
MINGW64/c/Users/Admin/ProblemStatement1
On branch master
No commits yet
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Bank ATM.py
nothing added to commit but untracked files present (use "git add" to track)
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git add Bank ATM.py
fatal: pathspec 'Bank' did not match any files
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git add BankATM.py
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git status
On branch master
No commits yet
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   BankATM.py
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git log
fatal: your current branch 'master' does not have any commits yet
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git commit -m "initial commit"
[master (root-commit) ce33fed] initial commit
1 file changed, 53 insertions(+)
 create mode 100644 BankATM.py
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   BankATM.py
no changes added to commit (use "git add" and/or "git commit -a")
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$
```

```
1 class Bank:
2     def __init__(self, pin, balance=0):
3         self.pin = pin
4         self.balance = balance
5
6     def verify_pin(self, entered_pin):
7         return entered_pin == self.pin
8
9     def deposit(self, amount, pin):
10        if self.verify_pin(pin):
11            self.balance += amount
12            print(f"Deposited: Rs{amount}. New balance: Rs{self.balance}")
13        else:
14            print("Invalid ATM pin.")
15
16    def withdraw(self, amount, pin):
17        if self.verify_pin(pin):
18            if amount <= self.balance:
19                self.balance -= amount
20                print(f"Withdrew: Rs{amount}. New balance: Rs{self.balance}")
21            else:
22                print("Insufficient amount. Your withdrawal failed.")
23        else:
24            print("Invalid ATM pin.")
25
26    def main():
27        balance = float(input("Enter the initial balance: "))
28        pin = int(input("Set your ATM pin: "))
29
30        account = Bank( pin, balance=0)
31
32        while True:
```

```
26    def main():
27        balance = float(input("Enter the initial balance: "))
28        pin = int(input("Set your ATM pin: "))
29
30        account = Bank( pin, balance=0)
31
32        while True:
33            print("\nChoose an option:")
34            print("1. Withdraw")
35            print("2. Deposit")
36            print("3. Exit")
37            choice = int(input("Enter your choice: "))
38
39            if choice == 1:
40                amount = float(input("Enter the amount to withdraw: "))
41                pin = int(input("Enter your ATM pin: "))
42                account.withdraw(amount, pin)
43            elif choice == 2:
44                amount = float(input("Enter the amount to deposit: "))
45                pin = int(input("Enter your ATM pin: "))
46                account.deposit(amount, pin)
47            elif choice == 3:
48                print("Thank you for using the bank.")
49                break
50            else:
51                print("Invalid choice. Please try again.")
52
53    if __name__ == "__main__":
54        main()
```

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



```
MINGW64/c/Users/Admin/Downloads/Git Commands

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
  Git Commands.pdf

nothing added to commit but untracked files present (use "git add" to track)

Admin@DESKTOP-HPANELH MINGW64 ~/Downloads/Git Commands (master)
$ git add -A

Admin@DESKTOP-HPANELH MINGW64 ~/Downloads/Git Commands (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
  new file:   Git Commands.pdf

Admin@DESKTOP-HPANELH MINGW64 ~/Downloads/Git Commands (master)
$ git commit -m "Git commands"
[master (root-commit) 5ae640f] Git commands
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Git Commands.pdf

Admin@DESKTOP-HPANELH MINGW64 ~/Downloads/Git Commands (master)
$ git remote add origin https://github.com/Gauri-Chaudhari100/Git-Test-.git

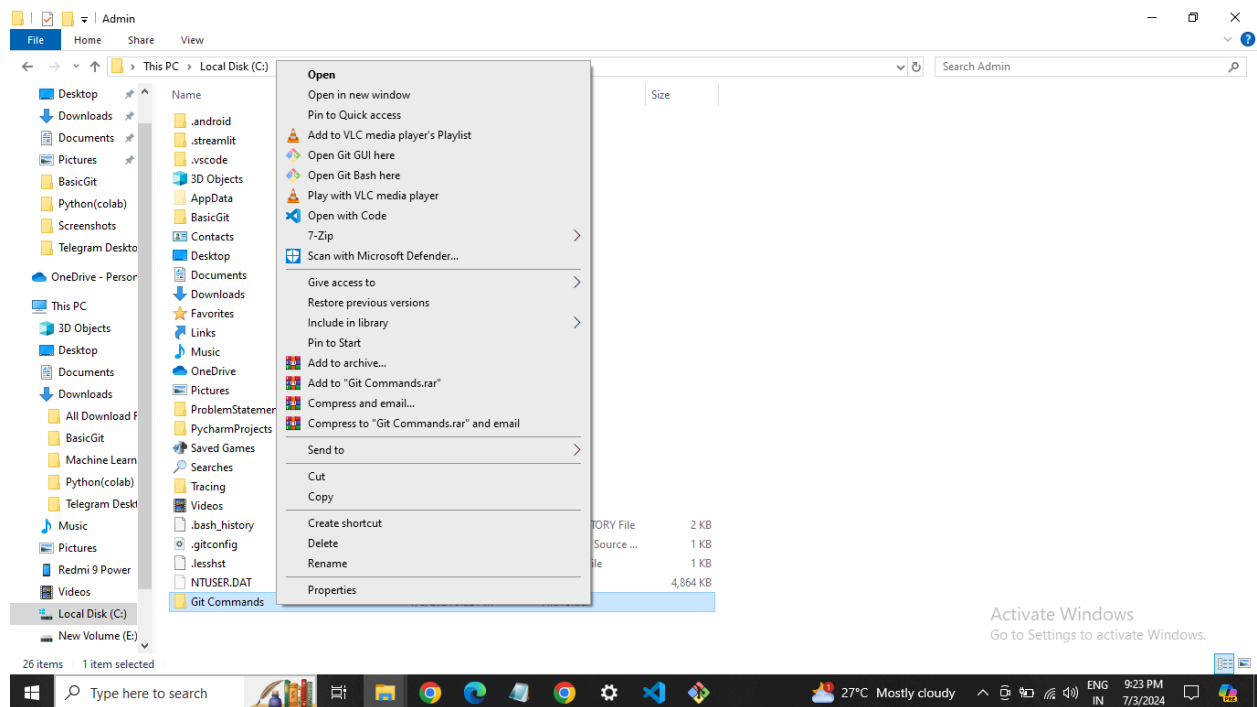
Admin@DESKTOP-HPANELH MINGW64 ~/Downloads/Git Commands (master)
$ git push origin master

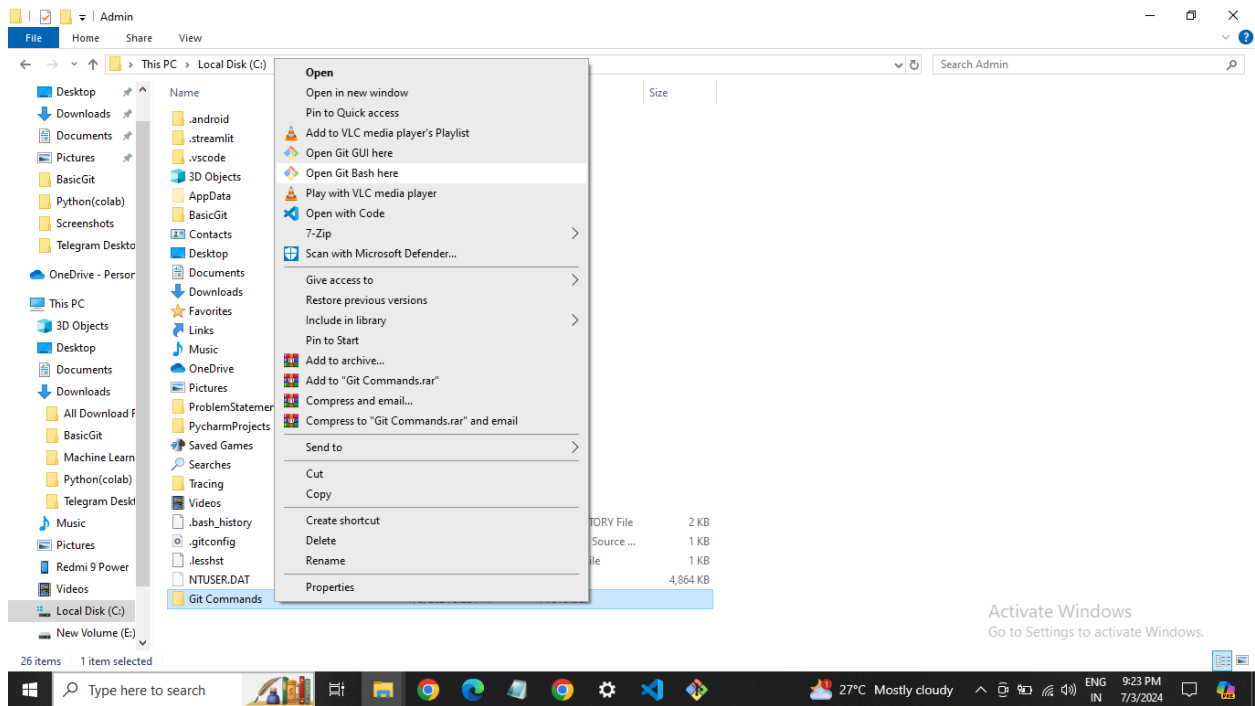
git commands

git push origin master

Admin@DESKTOP-HPANELH MINGW64 ~/Downloads/Git Commands (master)
$ git push origin master

Admin@DESKTOP-HPANELH MINGW64 ~/Downloads/Git Commands (master)
$
```





```
MINGW64/c/Users/Admin/Git Commands
Admin@DESKTOP-HPANELH MINGW64 ~/Git Commands
$
```

Activate Windows
Go to Settings to activate Windows.

```
MINGW64/c/Users/Admin/Downloads/Git Commands
Admin@DESKTOP-HPANELH MINGW64 ~/Downloads/Git Commands (master)
$ git init
Reinitialized existing Git repository in C:/Users/Admin/Downloads/Git Commands/.
git/

Admin@DESKTOP-HPANELH MINGW64 ~/Downloads/Git Commands (master)
$ git status
On branch master
No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
  Git Commands.pdf

nothing added to commit but untracked files present (use "git add" to track)
Admin@DESKTOP-HPANELH MINGW64 ~/Downloads/Git Commands (master)
$ |
```

Activate Windows
Go to Settings to activate Windows.

```
MINGW64/c:/Users/Admin/Downloads/Git Commands
admin@DESKTOP-HPANELH MINGW64 ~/Downloads/Git Commands (master)
$ git init
Reinitialized existing Git repository in C:/Users/Admin/Downloads/Git Commands/.git/

admin@DESKTOP-HPANELH MINGW64 ~/Downloads/Git Commands (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Git Commands.pdf

nothing added to commit but untracked files present (use "git add" to track)

admin@DESKTOP-HPANELH MINGW64 ~/Downloads/Git Commands (master)
$ git add -A

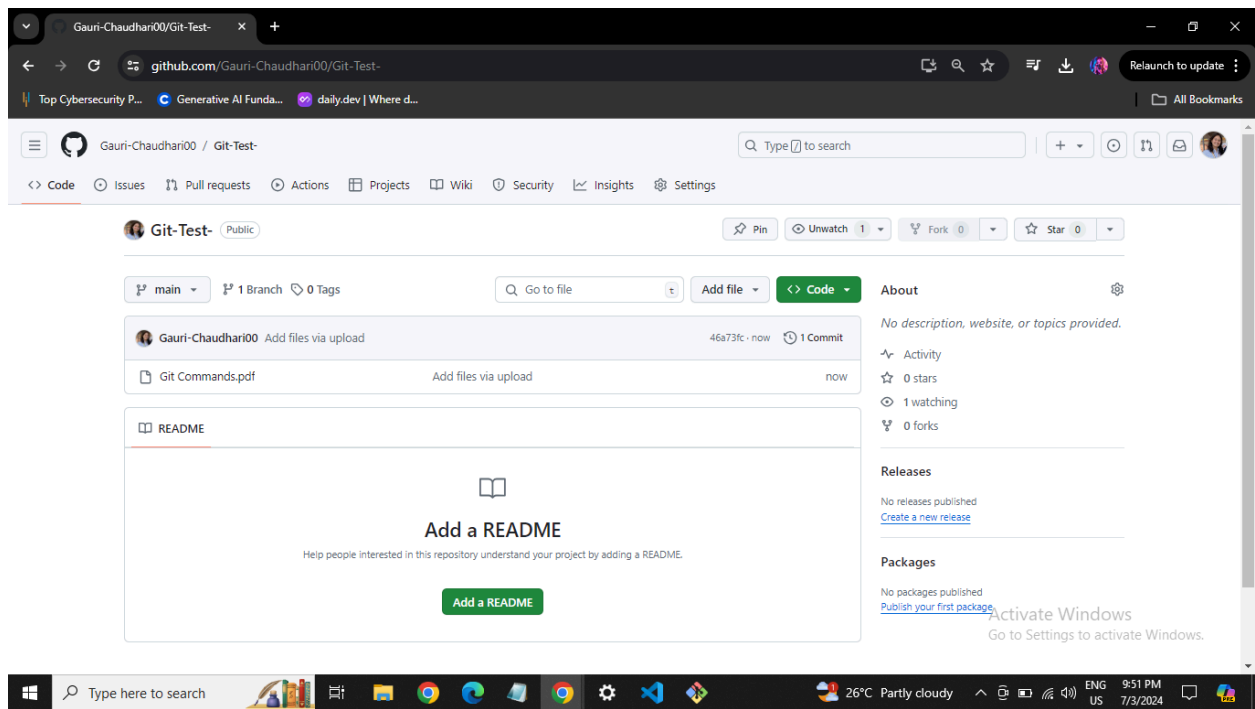
admin@DESKTOP-HPANELH MINGW64 ~/Downloads/Git Commands (master)
$ git status
On branch master

No commits yet

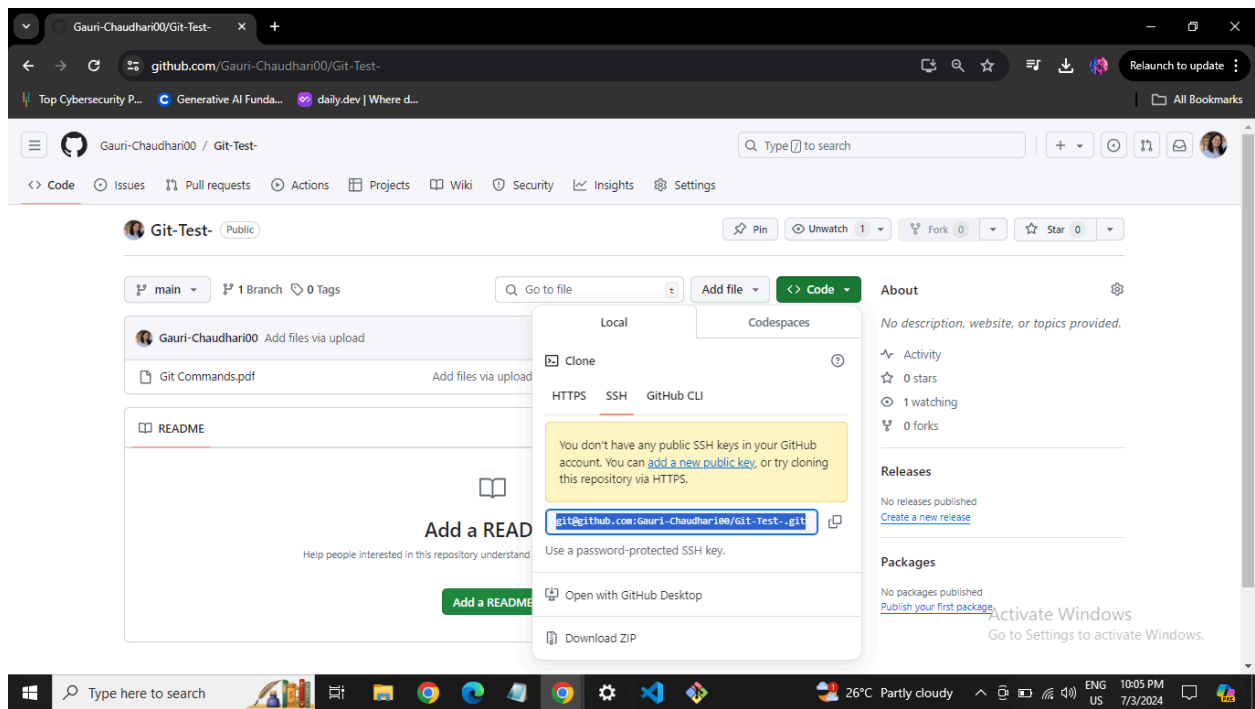
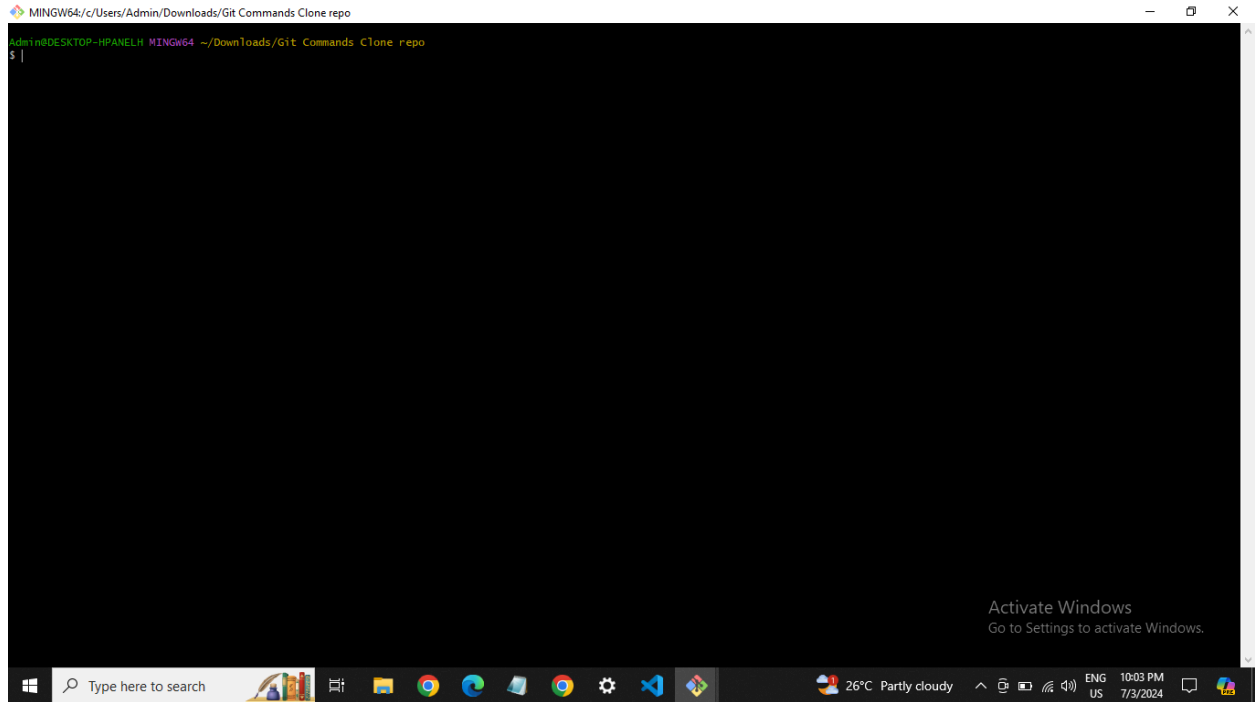
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   Git Commands.pdf

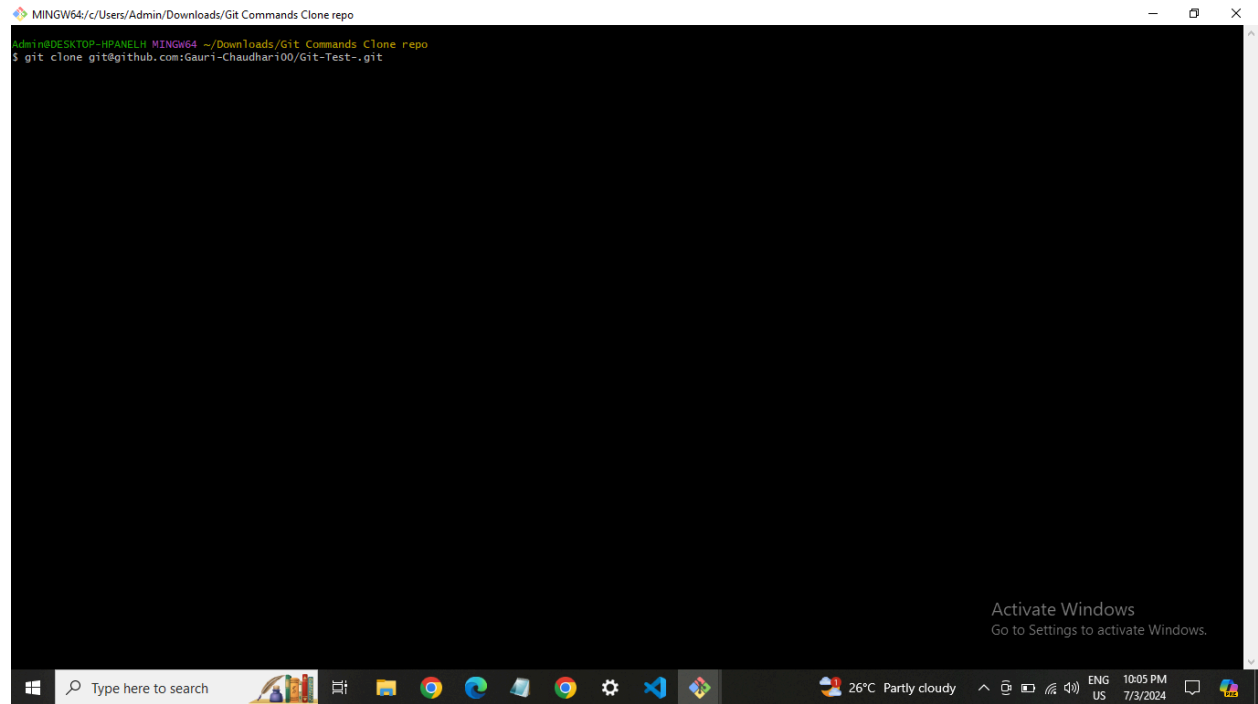
admin@DESKTOP-HPANELH MINGW64 ~/Downloads/Git Commands (master)
$ git commit -m "Git commands"
[master (root-commit) 5ae4640] Git commands
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Git Commands.pdf

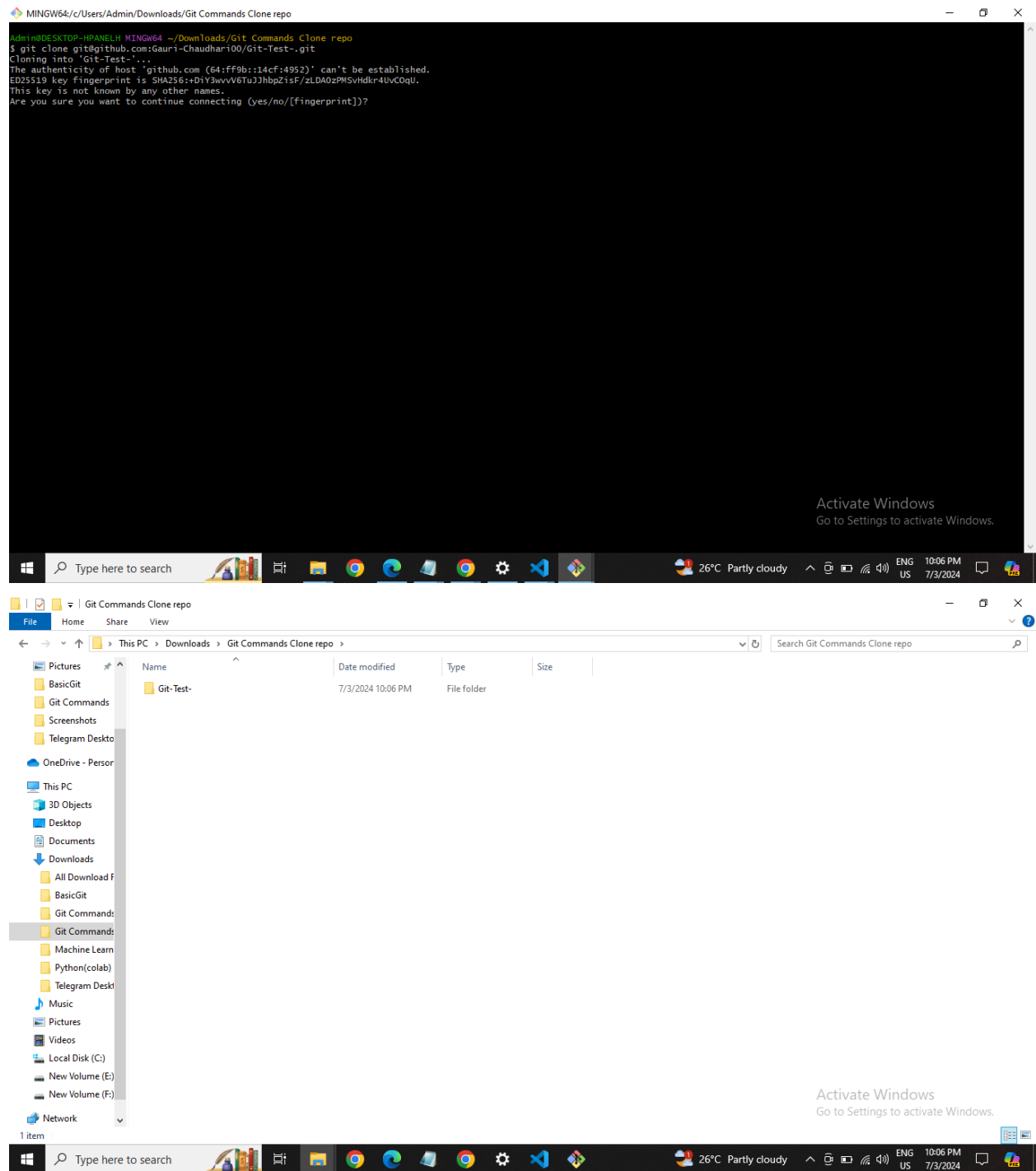
admin@DESKTOP-HPANELH MINGW64 ~/Downloads/Git Commands (master)
$ git remote add origin https://github.com/Gauri-Chaudhari00/Git-Test-.git
```



C. Clone any one program in same repository by git you can clone any new repository too







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

```
MINGW64/c/Users/Admin/ProblemStatement1
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Bank ATM.py

nothing added to commit but untracked files present (use "git add" to track)
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git add Bank ATM.py
fatal: pathspec 'Bank' did not match any files
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git add BankATM.py
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   BankATM.py

Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git log
fatal: your current branch 'master' does not have any commits yet
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git commit -m "initial commit"
[master (root-commit) ce63fe4] initial commit
 1 file changed, 53 insertions(+)
 create mode 100644 BankATM.py
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   BankATM.py

no changes added to commit (use "git add" and/or "git commit -a")
```

```
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ touch .gitignore
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ open .gitignore
bash: open: command not found
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ touch .env
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   BankATM.py

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    .env
    .gitignore

no changes added to commit (use "git add" and/or "git commit -a")
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git add .env
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git add .gitignore
Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   .gitignore

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   BankATM.py
```

```
MINGW64/c/Users/Admin/ProblemStatement1

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    env
    gitignore

no changes added to commit (use "git add" and/or "git commit -a")

Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git add . env^C

Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git add gitignore

Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   gitignore

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   BankATM.py

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

Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git add env

Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   env
    new file:   gitignore

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   BankATM.py

Admin@DESKTOP-HPANELH MINGW64 ~/ProblemStatement1 (master)
$
```

