Task -2

```
piyu@piyu-ThinkPad-T14-Gen-1:~$ git config -- global user.name "Payal Satkar"
fatal: not in a git directory
piyu@piyu-ThinkPad-T14-Gen-1:~$ git config -- global user.name
fatal: not in a git directory
piyu@piyu-ThinkPad-T14-Gen-1:~$ git config --global user.name
payal-2428
piyu@piyu-ThinkPad-T14-Gen-1:~$ git config --global user.email "payalsatkar6@gmail.com"
piyu@piyu-ThinkPad-T14-Gen-1:~$
```

```
piyu@piyu-ThinkPad-T14-Gen-1:~$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/piyu/.git/
piyu@piyu-ThinkPad-T14-Gen-1:~$ git
```

```
piyu@piyu-ThinkPad-T14-Gen-1:~$ cd ~/git-task-2
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ pwd
/home/piyu/git-task-2
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git init
Reinitialized existing Git repository in /home/piyu/git-task-2/.git/
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$
```

```
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ nano README.md
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ cat README.md
# Linux Task 2 - Git & GitHub Fundamentals

This repository contains Task 2 for learning Git and GitHub basics.

Topics covered:
- Git initialization
- Commit workflow
- Branching and merging
- GitHub remote repository

piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git add .
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git commit -m "initial commit for linux-task-2"
[main 2eb46cf] initial commit for linux-task-2
 1 file changed, 10 insertions(+)
 create mode 100644 README.md
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git branch
* main
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git branch -M main
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git remote -v
origin  https://github.com/payal-2428/linux-task-2.git (fetch)
origin  https://github.com/payal-2428/linux-task-2.git (push)
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$
```

```
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git add .
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git commit -m "initial commit for linux-task-2"
[main 2eb46cf] initial commit for linux-task-2
 1 file changed, 10 insertions(+)
 create mode 100644 README.md
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git branch
* main
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git branch -M main
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git remote -v
origin  https://github.com/payal-2428/linux-task-2.git (fetch)
origin  https://github.com/payal-2428/linux-task-2.git (push)
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git branch
* main
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git branch feature-branch
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git checkout -b feaure-branch
Switched to a new branch 'feaure-branch'
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git branch
  feature-branch
* feaure-branch
  main
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ nano feature.txt
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git add feature.txt
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git commit -m "added feature file"
[feaure-branch 451e416] added feature file
 1 file changed, 1 insertion(+)
 create mode 100644 feature.txt
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 2 commits.
  (use "git push" to publish your local commits)
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git merge feature-branch
Already up to date.
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git push origin main
fatal: unable to access 'https://github.com/payal-2428/linux-task-2.git/': Could not resolve host: github.com
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git branch
  feature-branch
  feaure-branch
* main
```

```
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git merge feaure-branch
Updating 2eb46cf..451e416
Fast-forward
 feature.txt | 1 +
 1 file changed, 1 insertion(+)
```

```
- Branching and merging
- GitHub remote repository
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git add .
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git commit -m "initial commit for linux-task-2"
[main 2eb46cf] initial commit for linux-task-2
 1 file changed, 10 insertions(+)
 create mode 100644 README.md
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git branch
* main
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git branch -M main
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git remote -v
origin  https://github.com/payal-2428/linux-task-2.git (fetch)
origin  https://github.com/payal-2428/linux-task-2.git (push)
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git branch
* main
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git branch feature-branch
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git checkout -b feaure-branch
Switched to a new branch 'feaure-branch'
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git branch
  feature-branch
* feaure-branch
  main
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ nano feature.txt
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git add feature.txt
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git commit -m "added feature file"
[feaure-branch 451e416] added feature file
 1 file changed, 1 insertion(+)
 create mode 100644 feature.txt
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 2 commits.
  (use "git push" to publish your local commits)
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git merge feature-branch
Already up to date.
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git push origin main
fatal: unable to access 'https://github.com/payal-2428/linux-task-2.git/': Could not resolve host: github.com
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git branch
  feature-branch
  feaure-branch
* main
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git merge feaure-branch
Updating 2eb46cf..451e416
Fast-forward
 feature.txt | 1 +
```

```
* main
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git branch feature-branch
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git checkout -b feaure-branch
Switched to a new branch 'feaure-branch'
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git branch
  feature-branch
* feaure-branch
  main
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ nano feature.txt
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piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git checkout main
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Your branch is ahead of 'origin/main' by 2 commits.
  (use "git push" to publish your local commits)
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git merge feature-branch
Already up to date.
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git push origin main
fatal: unable to access 'https://github.com/payal-2428/linux-task-2.git/': Could not resolve host: github.com
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git branch
  feature-branch
  feaure-branch
* main
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git merge feaure-branch
Updating 2eb46cf..451e416
Fast-forward
 feature.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 feature.txt
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$ git push origin main
Username for 'https://github.com': payal-2428
Password for 'https://payal-2428@github.com':
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 8 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (9/9), 963 bytes | 481.00 KiB/s, done.
Total 9 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/payal-2428/linux-task-2.git
   afb48c8..451e416  main -> main
piyu@piyu-ThinkPad-T14-Gen-1:~/git-task-2$
```

Screenshot captured
You can paste the image from the clipboard.