ASSIGNMENT 1

```
PS C:\Users\Lenovo\ti-wish-git> git checkout -b wish24128-day2 saumya-dev1
Switched to a new branch 'wish24128-day2'
PS C:\Users\Lenovo\ti-wish-git> git branch
  main
  saumya-dev1
  saumya-dev2
* wish24128-day2
PS C:\Users\Lenovo\ti-wish-git> git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
```

```
PS C:\Users\Lenovo\ti-wish-git> git pull
Enter passphrase for key '/c/Users/Lenovo/.ssh/id_ed25519':
remote: Enumerating objects: 29, done.
remote: Counting objects: 100% (29/29), done.
remote: Compressing objects: 100% (16/16), done.
remote: Total 26 (delta 6), reused 18 (delta 2), pack-reused 0
Unpacking objects: 100% (26/26), 3.08 KiB | 14.00 KiB/s, done.
From github.com:tiwish2024/ti-wish-git
   4356e12..7a341f8  main                   -> origin/main
 * [new branch]      Kashish_Agrawal-dev1 -> origin/Kashish_Agrawal-dev1
 * [new branch]      angel-dev1             -> origin/angel-dev1
 * [new branch]      harshini-dev1          -> origin/harshini-dev1
 * [new branch]      komal-dev1             -> origin/komal-dev1
 * [new branch]      komal-dev2             -> origin/komal-dev2
 * [new branch]      mahita-dev1            -> origin/mahita-dev1
   5e8c7f4..397bdfe  testing                -> origin/testing
Updating 4356e12..7a341f8
Fast-forward
 rebase.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 rebase.txt
```

```
PS C:\Users\Lenovo\ti-wish-git> git checkout wish24128-day2
Switched to branch 'wish24128-day2'
PS C:\Users\Lenovo\ti-wish-git> git rebase main
Successfully rebased and updated refs/heads/wish24128-day2.
PS C:\Users\Lenovo\ti-wish-git> git branch
  main
  saumya-dev1
  saumya-dev2
* wish24128-day2
PS C:\Users\Lenovo\ti-wish-git>
```

```
PS C:\Users\Lenovo\ti-wish-git> git log
commit 87dcf5ef392132b79e962bc545798bddcbfd0f07 (HEAD -> wish24128-day2, main)
Merge: 8ad8aa1 7a341f8
Author: saumyabalina <saumya.balina@students.iiit.ac.in>
Date:   Tue Jun 4 10:06:15 2024 +0530

    Merge branch 'main' of github.com:tiwish2024/ti-wish-git

commit 8ad8aa1a9dcb4271097c81b3c042bbfbb1de0a17
Author: tiwish2024 <165905889+tiwish2024@users.noreply.github.com>
Date:   Mon Jun 3 22:36:18 2024 +0530

    Create rebase.txt
```

ASSIGNMENT 2

```
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git switch rebase-conflict
Switched to a new branch 'rebase-conflict'
branch 'rebase-conflict' set up to track 'origin/rebase-conflict'.
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git branch
  main
* rebase-conflict
  saumya-dev1
  saumya-dev2
  wish24128-day2
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git checkout wish24128-day2
Switched to branch 'wish24128-day2'
```

```
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git rebase rebase-conflict
Auto-merging rebase.txt
CONFLICT (add/add): Merge conflict in rebase.txt
error: could not apply 7a341f8... Create rebase.txt
hint: Resolve all conflicts manually, mark them as resolved with
hint: "git add/rm <conflicted_files>", then run "git rebase --continue".
hint: You can instead skip this commit: run "git rebase --skip".
hint: To abort and get back to the state before "git rebase", run "git rebase --abort".
Could not apply 7a341f8... Create rebase.txt
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git rebase --continue
rebase.txt: needs merge
You must edit all merge conflicts and then
mark them as resolved using git add
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git branch
* (no branch, rebasing wish24128-day2)
  main
  rebase-conflict
  saumya-dev1
  saumya-dev2
  wish24128-day2
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git rebase --continue
[detached HEAD 6083ee1] Resolve conflicts by keeping both changes in  rebase.txt
 Author: tiwish2024 <165905889+tiwish2024@users.noreply.github.com>
 1 file changed, 1 insertion(+)
Successfully rebased and updated refs/heads/wish24128-day2.
```

```
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git branch
  main
  rebase-conflict
  saumya-dev1
  saumya-dev2
* wish24128-day2
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git log
commit 5d267b2f9ff0c3b46baecb2194fe880e70f0b148 (HEAD -> wish24128-day2)
Author: saumyabalina <saumya.balina@students.iiit.ac.in>
Date:   Tue Jun 4 11:56:06 2024 +0530

    Add hobbies.txt

commit 76a798907ddda3a1a39c69d77a8d312fbb1251a9
Author: saumyabalina <saumya.balina@students.iiit.ac.in>
Date:   Tue Jun 4 11:55:20 2024 +0530

    Add two wish-2024-ti files

commit 6083ee1ea62f8a9f64227a6b5d8936f696f953cc
Author: tiwish2024 <165905889+tiwish2024@users.noreply.github.com>
Date:   Mon Jun 3 22:36:18 2024 +0530

    Resolve conflicts by keeping both changes in  rebase.txt
```

ASSIGNMENT 3

```
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git add .
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git stash save "difference"
Saved working directory and index state On wish24128-day2: difference
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git stash list
stash@{0}: On wish24128-day2: difference
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git>
```

```
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git stash pop 0
On branch wish24128-day2
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   stash.txt

Dropped refs/stash@{0} (179261b7b4c29d3a644ccd8953349bf78c558213)
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git commit -m "Add stash.txt with differences between git commit and git stash"
[wish24128-day2 7143766] Add stash.txt with differences between git commit and git stash
 1 file changed, 2 insertions(+)
 create mode 100644 stash.txt
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git>
```

ASSIGNMENT 4

```
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git branch feature-branch
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git checkout feature-branch
Switched to branch 'feature-branch'
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git branch
* feature-branch
  main
  rebase-conflict
  saumya-dev1
  saumya-dev2
  wish24128-day2
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git add .
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git commit -m "Add cherry-pick.txt"
[feature-branch 20f525f] Add cherry-pick.txt
 1 file changed, 1 insertion(+)
 create mode 100644 cherry-pick.txt
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git>
```

COMMIT HASH: [feature-branch 20f525f]

```
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git checkout wish24128-day2
Switched to branch 'wish24128-day2'
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git branch
  feature-branch
  main
  rebase-conflict
  saumya-dev1
  saumya-dev2
* wish24128-day2
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git cherry-pick feature-branch 20f525f
[wish24128-day2 3248c09] Add cherry-pick.txt
 Date: Tue Jun 4 12:21:29 2024 +0530
 1 file changed, 1 insertion(+)
 create mode 100644 cherry-pick.txt
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git>
```

```
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git branch
  feature-branch
  main
  rebase-conflict
  saumya-dev1
  saumya-dev2
* wish24128-day2
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git log
commit 3248c09c39a34f7e55ab08b69f5ecb66e37e69f0 (HEAD -> wish24128-day2)
Author: saumyabalina <saumya.balina@students.iiit.ac.in>
Date:   Tue Jun 4 12:21:29 2024 +0530

    Add cherry-pick.txt

commit 7143766572fe64dcc8e387c5b33e8d77fd53797e
Author: saumyabalina <saumya.balina@students.iiit.ac.in>
Date:   Tue Jun 4 12:15:34 2024 +0530

    Add stash.txt with differences between git commit and git stash
```

ASSIGNMENT 5

```
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git format-patch main -o patch-result-1
patch-result-1/0001-Add-rebase.txt.patch
patch-result-1/0002-Update-the-readme-live-discussion.patch
patch-result-1/0003-Resolve-conflicts-by-keeping-both-changes-in-rebase..patch
patch-result-1/0004-Add-two-wish-2024-ti-files.patch
patch-result-1/0005-Add-hobbies.txt.patch
patch-result-1/0006-Add-stash.txt-with-differences-between-git-commit-an.patch
patch-result-1/0007-Add-cherry-pick.txt.patch
```

```
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git format-patch -1 7143766572fe64dcc8e387c5b33e8d77fd53797e -o patch-result-2

patch-result-2/0001-Add-stash.txt-with-differences-between-git-commit-an.patch
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git add .
warning: in the working copy of 'patch-result/patch-result-1/0001-Add-rebase.txt.patch', LF will be replaced by CRLF the next time Git touches
 it
warning: in the working copy of 'patch-result/patch-result-1/0002-Update-the-readme-live-discussion.patch', LF will be replaced by CRLF the ne
xt time Git touches it
warning: in the working copy of 'patch-result/patch-result-1/0003-Resolve-conflicts-by-keeping-both-changes-in-rebase..patch', LF will be repl
aced by CRLF the next time Git touches it
warning: in the working copy of 'patch-result/patch-result-1/0004-Add-two-wish-2024-ti-files.patch', LF will be replaced by CRLF the next time
 Git touches it
warning: in the working copy of 'patch-result/patch-result-1/0005-Add-hobbies.txt.patch', LF will be replaced by CRLF the next time Git touche
s it
warning: in the working copy of 'patch-result/patch-result-1/0006-Add-stash.txt-with-differences-between-git-commit-an.patch', LF will be repl
aced by CRLF the next time Git touches it
warning: in the working copy of 'patch-result/patch-result-1/0007-Add-cherry-pick.txt.patch', LF will be replaced by CRLF the next time Git to
uches it
warning: in the working copy of 'patch-result/patch-result-2/0001-Add-stash.txt-with-differences-between-git-commit-an.patch', LF will be repl
aced by CRLF the next time Git touches it
```

```
PS C:\Users\Lenovo\Desktop\Texas Instruments\Week2\ti-wish-git> git commit -m "Add patch files"
[wish24128-day2 969f227] Add patch files
 8 files changed, 174 insertions(+)
 create mode 100644 patch-result/patch-result-1/0001-Add-rebase.txt.patch
 create mode 100644 patch-result/patch-result-1/0002-Update-the-readme-live-discussion.patch
 create mode 100644 patch-result/patch-result-1/0003-Resolve-conflicts-by-keeping-both-changes-in-rebase..patch
 create mode 100644 patch-result/patch-result-1/0004-Add-two-wish-2024-ti-files.patch
 create mode 100644 patch-result/patch-result-1/0005-Add-hobbies.txt.patch
 create mode 100644 patch-result/patch-result-1/0006-Add-stash.txt-with-differences-between-git-commit-an.patch
 create mode 100644 patch-result/patch-result-1/0007-Add-cherry-pick.txt.patch
 create mode 100644 patch-result/patch-result-2/0001-Add-stash.txt-with-differences-between-git-commit-an.patch
```