Sourav Mondal
Week 1 Assignment

1.Github

i.

```
Microsoft Windows [Version 10.0.19042.985]
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C:\Users\User>F:

F:\>cd psProject

F:\psProject>mkdir week1ProjectPS

F:\psProject>cd week1ProjectPS

F:\psProject\week1ProjectPS>git init
Initialized empty Git repository in F:/psProject/week1ProjectPS/.git/

F:\psProject\week1ProjectPS>code helloWorld.cpp

F:\psProject\week1ProjectPS>code .gitignore

F:\psProject\week1ProjectPS>git add -A

F:\psProject\week1ProjectPS>git commit -m "Initial Commit"
[master (root-commit) b738e35] Initial Commit
 2 files changed, 8 insertions(+)
 create mode 100644 .gitignore
 create mode 100644 helloWorld.cpp

F:\psProject\week1ProjectPS>git status
On branch master
nothing to commit, working tree clean
```

ii.

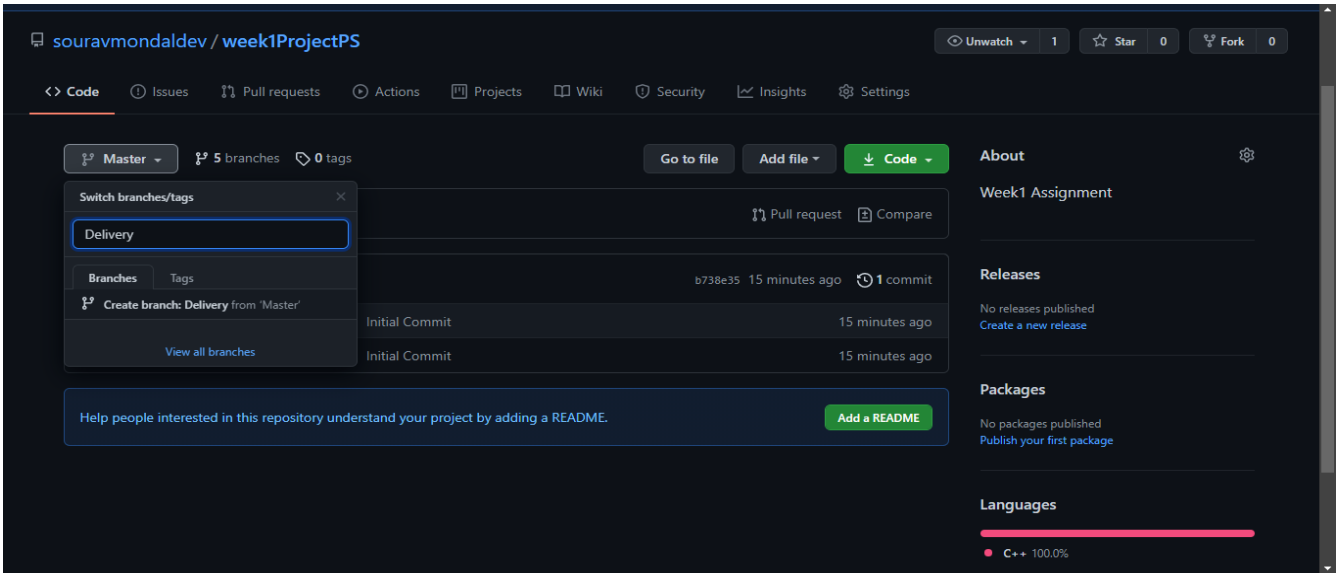
```
F:\psProject\week1ProjectPS>git remote add origin
https://github.com/souravmondaldev/week1ProjectPS.git

F:\psProject\week1ProjectPS>git branch -M main

F:\psProject\week1ProjectPS>git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 366 bytes | 366.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/souravmondaldev/week1ProjectPS.git
 * [new branch]      main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.
```

iii.

```
F:\psProject\week1ProjectPS>git branch Feature

F:\psProject\week1ProjectPS>git branch Dev

F:\psProject\week1ProjectPS>git branch QA

F:\psProject\week1ProjectPS>git branch
  Dev
  Feature
  QA
* main

F:\psProject\week1ProjectPS>git push origin Feature
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'Feature' on GitHub by visiting:
remote:
https://github.com/souravmondaldev/week1ProjectPS/pull/new/Feature
remote:
To https://github.com/souravmondaldev/week1ProjectPS.git
 * [new branch]      Feature -> Feature

F:\psProject\week1ProjectPS>git push origin Dev
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'Dev' on GitHub by visiting:
remote:      https://github.com/souravmondaldev/week1ProjectPS/pull/new/Dev
remote:
To https://github.com/souravmondaldev/week1ProjectPS.git
 * [new branch]      Dev -> Dev

F:\psProject\week1ProjectPS>git push origin QA
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'QA' on GitHub by visiting:
remote:      https://github.com/souravmondaldev/week1ProjectPS/pull/new/QA
remote:
To https://github.com/souravmondaldev/week1ProjectPS.git
 * [new branch]      QA -> QA
F:\psProject\week1ProjectPS>git push origin -u Feature
Everything up-to-date
Branch 'Feature' set up to track remote branch 'Feature' from 'origin'.

F:\psProject\week1ProjectPS>git push origin -u Dev
Everything up-to-date
Branch 'Dev' set up to track remote branch 'Dev' from 'origin'.

F:\psProject\week1ProjectPS>git push origin -u QA
```

```
Everything up-to-date
Branch 'QA' set up to track remote branch 'QA' from 'origin'.
```

Iv



.

v.

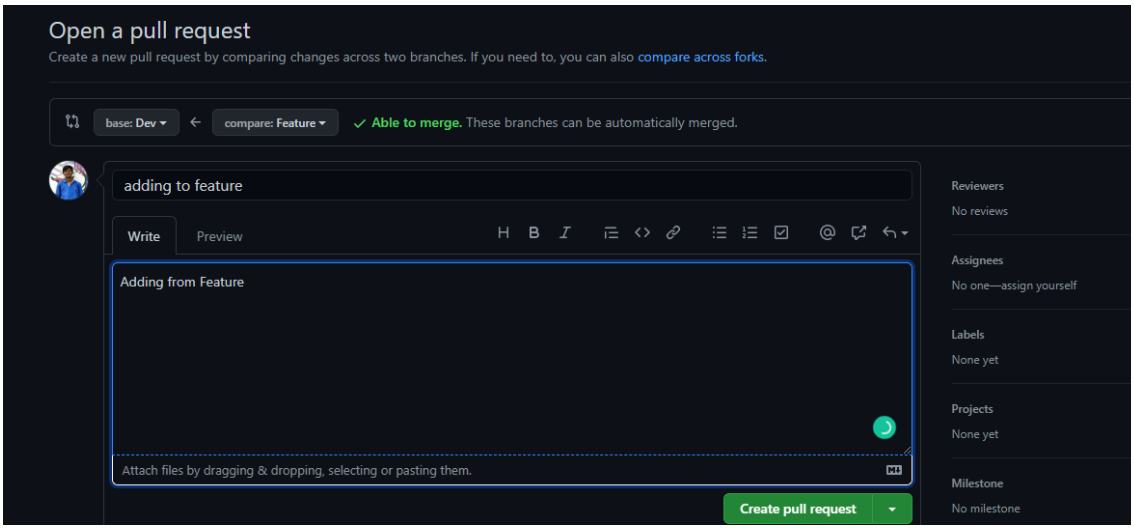
```
F:\psProject\week1ProjectPS>git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

F:\psProject\week1ProjectPS>code helloWorld.py

F:\psProject\week1ProjectPS>git add -A

F:\psProject\week1ProjectPS>git commit -m "Second Commit"
[main 9fb19b4] Second Commit
 1 file changed, 1 insertion(+)
 create mode 100644 helloWorld.py

F:\psProject\week1ProjectPS>mkdir newFolder

F:\psProject\week1ProjectPS>mkdir newFolder2

F:\psProject\week1ProjectPS>code helloWorld.cpp

F:\psProject\week1ProjectPS>git add -A

F:\psProject\week1ProjectPS>git commit -m "Third Commit"
[main b3e6f66] Third Commit
 1 file changed, 1 insertion(+), 1 deletion(-)
```

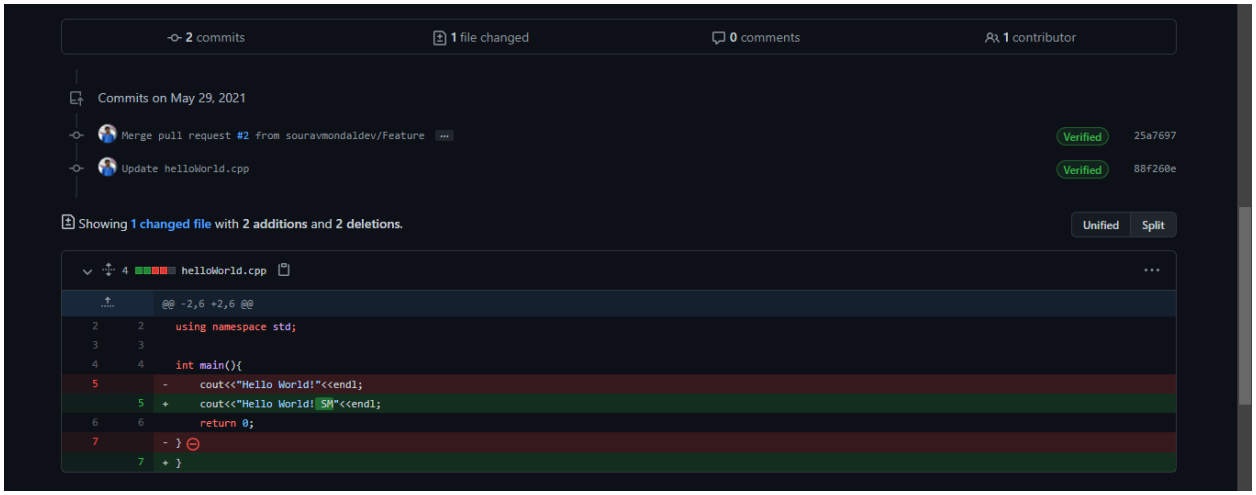
vi .

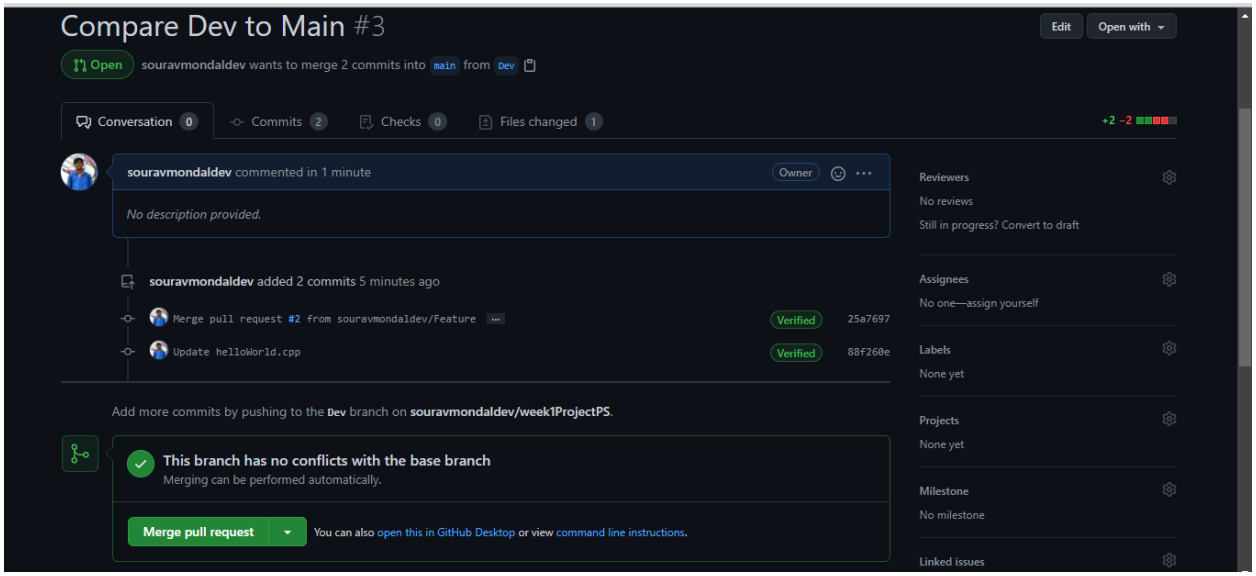
```
F:\psProject\week1ProjectPS>git checkout Feature
Switched to branch 'Feature'
```

```
F:\psProject\week1ProjectPS>mkdir emptyFolder

F:\psProject\week1ProjectPS>code sayHi.py

F:\psProject\week1ProjectPS>git add -A

F:\psProject\week1ProjectPS>git status
On branch Feature
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   sayHi.py

F:\psProject\week1ProjectPS>git push
Everything up-to-date

F:\psProject\week1ProjectPS>git status
On branch Feature
Your branch is up to date with 'origin/Feature'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   sayHi.py


F:\psProject\week1ProjectPS>git commit -m "adding to feature"
[Feature 4a27226] adding to feature
 1 file changed, 1 insertion(+)
 create mode 100644 sayHi.py

F:\psProject\week1ProjectPS>git status
On branch Feature
Your branch is ahead of 'origin/Feature' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

F:\psProject\week1ProjectPS>git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 335 bytes | 335.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/souravmondaldev/week1ProjectPS.git
   b738e35..4a27226  Feature -> Feature
```

Vii.viii ix x







x.

```
F:\psProject\week1ProjectPS>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)

F:\psProject\week1ProjectPS>git pull
```

```
remote: Enumerating objects: 2, done.
remote: Counting objects: 100% (2/2), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 2 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (2/2), 1.21 KiB | 20.00 KiB/s, done.
From https://github.com/souravmondaldev/week1ProjectPS
   b738e35..155b832  main       -> origin/main
 * [new branch]      Delivery   -> origin/Delivery
   b738e35..25a7697  Dev        -> origin/Dev
 * [new branch]      Master     -> origin/Master
Merge made by the 'recursive' strategy.
 sayHi.py | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 sayHi.py
```

3.

```
F:\psProject\week1ProjectPS>git status
On branch main
Your branch is ahead of 'origin/main' by 3 commits.
  (use "git push" to publish your local commits)

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        txt1.txt
        txt2.txt

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

F:\psProject\week1ProjectPS>git add txt1.txt

F:\psProject\week1ProjectPS>git status
On branch main
Your branch is ahead of 'origin/main' by 3 commits.
  (use "git push" to publish your local commits)

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   txt1.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        txt2.txt


F:\psProject\week1ProjectPS>git ls-files -s
100644 3110669356d6b6639a52e71cd8f9d500e55b881b 0       .gitignore
100644 3ca941986eb6fa07248fd88a52fa6f6ceb44406f 0       helloWorld.cpp
100644 1dc45ac13680332bc368aa383fec751aed9e6220 0       helloWorld.py
```

```
100644 56f0d11580322627f6973148e457acb98cfba631 0       sayHi.py
100644 e69de29bb2d1d6434b8b29ae775ad8c2e48c5391 0       txt1.txt

F:\psProject\week1ProjectPS>git reset --hard
HEAD is now at 02844e4 Merge branch 'main' of
https://github.com/souravmondaldev/week1ProjectPS

F:\psProject\week1ProjectPS>git ls-files -s
100644 3110669356d6b6639a52e71cd8f9d500e55b881b 0       .gitignore
100644 3ca941986eb6fa07248fd88a52fa6f6ceb44406f 0       helloWorld.cpp
100644 1dc45ac13680332bc368aa383fec751aed9e6220 0       helloWorld.py
100644 56f0d11580322627f6973148e457acb98cfba631 0       sayHi.py

F:\psProject\week1ProjectPS>git add txt2.txt

F:\psProject\week1ProjectPS>git ls-files -s
100644 3110669356d6b6639a52e71cd8f9d500e55b881b 0       .gitignore
100644 3ca941986eb6fa07248fd88a52fa6f6ceb44406f 0       helloWorld.cpp
100644 1dc45ac13680332bc368aa383fec751aed9e6220 0       helloWorld.py
100644 56f0d11580322627f6973148e457acb98cfba631 0       sayHi.py
100644 e69de29bb2d1d6434b8b29ae775ad8c2e48c5391 0       txt2.txt

F:\psProject\week1ProjectPS>git reset --soft

F:\psProject\week1ProjectPS>git ls-files -s
100644 3110669356d6b6639a52e71cd8f9d500e55b881b 0       .gitignore
100644 3ca941986eb6fa07248fd88a52fa6f6ceb44406f 0       helloWorld.cpp
100644 1dc45ac13680332bc368aa383fec751aed9e6220 0       helloWorld.py
100644 56f0d11580322627f6973148e457acb98cfba631 0       sayHi.py
100644 e69de29bb2d1d6434b8b29ae775ad8c2e48c5391 0       txt2.txt

F:\psProject\week1ProjectPS>git status
On branch main
Your branch is ahead of 'origin/main' by 3 commits.
  (use "git push" to publish your local commits)

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   txt2.txt


F:\psProject\week1ProjectPS>git stash
Saved working directory and index state WIP on main: 02844e4 Merge branch
'main' of https://github.com/souravmondaldev/week1ProjectPS

F:\psProject\week1ProjectPS>git rebase
Successfully rebased and updated refs/heads/main.

F:\psProject\week1ProjectPS>git log
```

```
Date:   Sat May 29 10:31:39 2021 +0530

    Third Commit

commit 26fd9f27c58373c3d255c93473c13db24c8e04b5
Author: Sourav Mondal <souravmondal0341@gmail.com>
Date:   Sat May 29 10:20:42 2021 +0530

    Second Commit

commit 155b83288dba35ee6bbe0076017f08b06dcd7fdc (origin/main)
Merge: b738e35 4a27226
Author: Sourav Mondal <souravmondal0341@gmail.com>
Date:   Sat May 29 10:44:06 2021 +0530

    Merge pull request #1 from souravmondaldev/Feature

    adding to feature

commit 4a27226bfdbf02a38a779ed01c5ad987f9b6ed8a (origin/Feature, Feature)
Author: Sourav Mondal <souravmondal0341@gmail.com>
Date:   Sat May 29 10:40:40 2021 +0530

    adding to feature

commit b738e3539bf2a9167bb686cdbe28345036ffe962 (origin/QA, origin/Master,
origin/Delivery, QA, Dev)
Author: Sourav Mondal <souravmondal0341@gmail.com>
Date:   Sat May 29 10:02:00 2021 +0530

    Initial Commit
F:\psProject\week1ProjectPS>git status
On branch main
Your branch is ahead of 'origin/main' by 2 commits.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

F:\psProject\week1ProjectPS>git reflog
de6560f (HEAD -> main) HEAD@{0}: rebase (finish): returning to
refs/heads/main
de6560f (HEAD -> main) HEAD@{1}: rebase (pick): Third Commit
26fd9f2 HEAD@{2}: rebase (pick): Second Commit
155b832 (origin/main) HEAD@{3}: rebase (start): checkout
refs/remotes/origin/main
02844e4 HEAD@{4}: reset: moving to HEAD
02844e4 HEAD@{5}: reset: moving to HEAD
02844e4 HEAD@{6}: reset: moving to HEAD
02844e4 HEAD@{7}: pull: Merge made by the 'recursive' strategy.
```

```
b3e6f66 HEAD@{8}: checkout: moving from Feature to main
4a27226 (origin/Feature, Feature) HEAD@{9}: commit: adding to feature
b738e35 (origin/QA, origin/Master, origin/Delivery, QA, Dev) HEAD@{10}:
checkout: moving from main to Feature
b3e6f66 HEAD@{11}: commit: Third Commit
9fb19b4 HEAD@{12}: commit: Second Commit

b738e35 (origin/QA, origin/Master, origin/Delivery, QA, Dev) HEAD@{13}:
Branch: renamed refs/heads/master to refs/heads/main
b738e35 (origin/QA, origin/Master, origin/Delivery, QA, Dev) HEAD@{15}:
commit (initial): Initial Commit
```