

# SOURCE CODE MANAGEMENT CA1

REGISTRATION NO.: 12303600

## TASK 1:

```
91820@LAPTOP-HF0VBUGC MINGW64 ~
$ cd /c/Users/91820/OneDrive/Documents/gitCA
91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA
$ git init
Initialized empty Git repository in C:/Users/91820/OneDrive/Documents/gitCA/.git/
91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA (master)
$ echo "This is some initial content" > workflow.txt
91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA (master)
$ git status
On branch master

No commits yet

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

nothing added to commit but untracked files present (use "git add" to track)
91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA (master)
$ git add .
warning: in the working copy of 'workflow.txt', LF will be replaced by CRLF the
next time Git touches it
91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   workflow.txt
91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA (master)
$ git commit -m "workflow.txt created"
[master (root-commit) ee0525c] workflow.txt created
1 file changed, 1 insertion(+)
 create mode 100644 workflow.txt
91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA (master)
$ echo "This is some more content" >> workflow.txt
91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA (master)
$ cat workflow.txt
This is some initial content
This is some more content
```

```
91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA (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:   workflow.txt

no changes added to commit (use "git add" and/or "git commit -a")
91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA (master)
$ git add .
warning: in the working copy of 'workflow.txt', LF will be replaced by CRLF the
next time Git touches it
91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA (master)
$ git commit -m "modified changes committed"
[master 8fe5f6d] modified changes committed
1 file changed, 1 insertion(+)
```

```
91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA (master)
$ git remote add origin "https://github.com/Komalpr3t/gitCA.git"

91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA (master)
$ git remote -v
origin https://github.com/Komalpr3t/gitCA.git (fetch)
origin https://github.com/Komalpr3t/gitCA.git (push)

91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA (master)
$ git branch -m master main
```

```
91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA (main)
$ git pull origin main --rebase
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 859 bytes | 57.00 KiB/s, done.
From https://github.com/Komalpr3t/gitCA
 * branch          main      -> FETCH_HEAD
 * [new branch]    main      -> origin/main
Successfully rebased and updated refs/heads/main.
```

```
91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA (main)
$ git push -u origin main
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 20 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 618 bytes | 309.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Komalpr3t/gitCA.git
   ee33232..b69dc0f  main -> main
branch 'main' set up to track 'origin/main'.
```

## TASK 2:

```
91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA (main)
$ git log
commit b69dc0f86eab08d34135429e2123a5f8f96694da (HEAD -> main, origin/main)
Author: Komalpr3t <kgrewal1703@gmail.com>
Date: Mon Feb 17 15:16:15 2025 +0530
```

modified changes committed

```
commit db41747a5d374ad96d3809432041e0ce4a6f226a
Author: Komalpr3t <kgrewal1703@gmail.com>
Date: Mon Feb 17 15:14:52 2025 +0530
```

workflow.txt created

```
commit ee33232a60f98aabff11c61643d5287383ddaf8f
Author: Komalpr3t <148564249+Komalpr3t@users.noreply.github.com>
Date: Mon Feb 17 15:16:55 2025 +0530
```

Initial commit

```
91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA (main)
$ git log --oneline
b69dc0f (HEAD -> main, origin/main) modified changes committed
db41747 workflow.txt created
ee33232 Initial commit
```

```
91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA (main)
$ git log --author="Komalpr3t"
commit b69dc0f86eab08d34135429e2123a5f8f96694da (HEAD -> main, origin/main)
Author: Komalpr3t <kgrewal1703@gmail.com>
Date: Mon Feb 17 15:16:15 2025 +0530
```

modified changes committed

```
commit db41747a5d374ad96d3809432041e0ce4a6f226a
Author: Komalpr3t <kgrewal1703@gmail.com>
Date: Mon Feb 17 15:14:52 2025 +0530
```

workflow.txt created

```
commit ee33232a60f98aabff11c61643d5287383ddaf8f
Author: Komalpr3t <148564249+Komalpr3t@users.noreply.github.com>
Date: Mon Feb 17 15:16:55 2025 +0530
```

Initial commit

```
91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA (main)
$ git log --since="24 hours ago"
commit b69dc0f86eab08d34135429e2123a5f8f96694da (HEAD -> main, origin/main)
Author: Komalpr3t <kgrewal1703@gmail.com>
Date: Mon Feb 17 15:16:15 2025 +0530
```

modified changes committed

```
commit db41747a5d374ad96d3809432041e0ce4a6f226a
Author: Komalpr3t <kgrewal1703@gmail.com>
Date: Mon Feb 17 15:14:52 2025 +0530
```

workflow.txt created

```
commit ee33232a60f98aabff11c61643d5287383ddaf8f
Author: Komalpr3t <148564249+Komalpr3t@users.noreply.github.com>
Date: Mon Feb 17 15:16:55 2025 +0530
```

Initial commit

```
91820@LAPTOP-HF0VBUGC MINGW64 ~/OneDrive/Documents/gitCA (main)
$ git log --grep="workflow"
commit db41747a5d374ad96d3809432041e0ce4a6f226a
Author: Komalpr3t <kgrewal1703@gmail.com>
Date: Mon Feb 17 15:14:52 2025 +0530
```

workflow.txt created