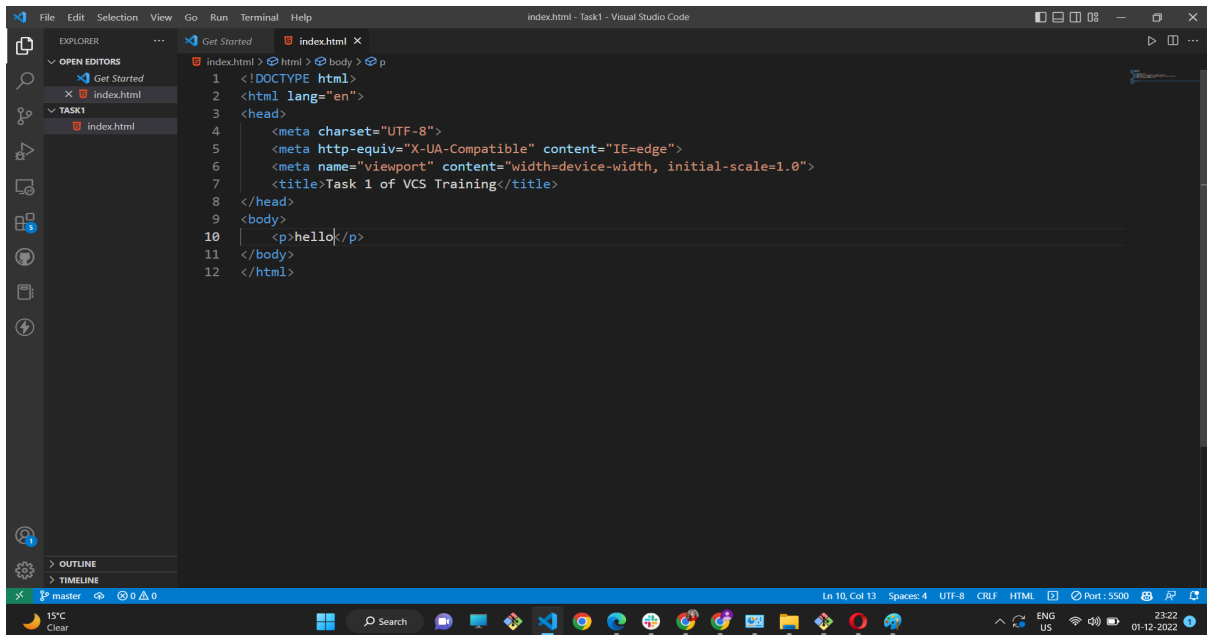# VCS Assignment

Exercise 1

```
GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~
$ git init Task1
Initialized empty Git repository in C:/Users/GAJAL LATA/Task1/.git/
```
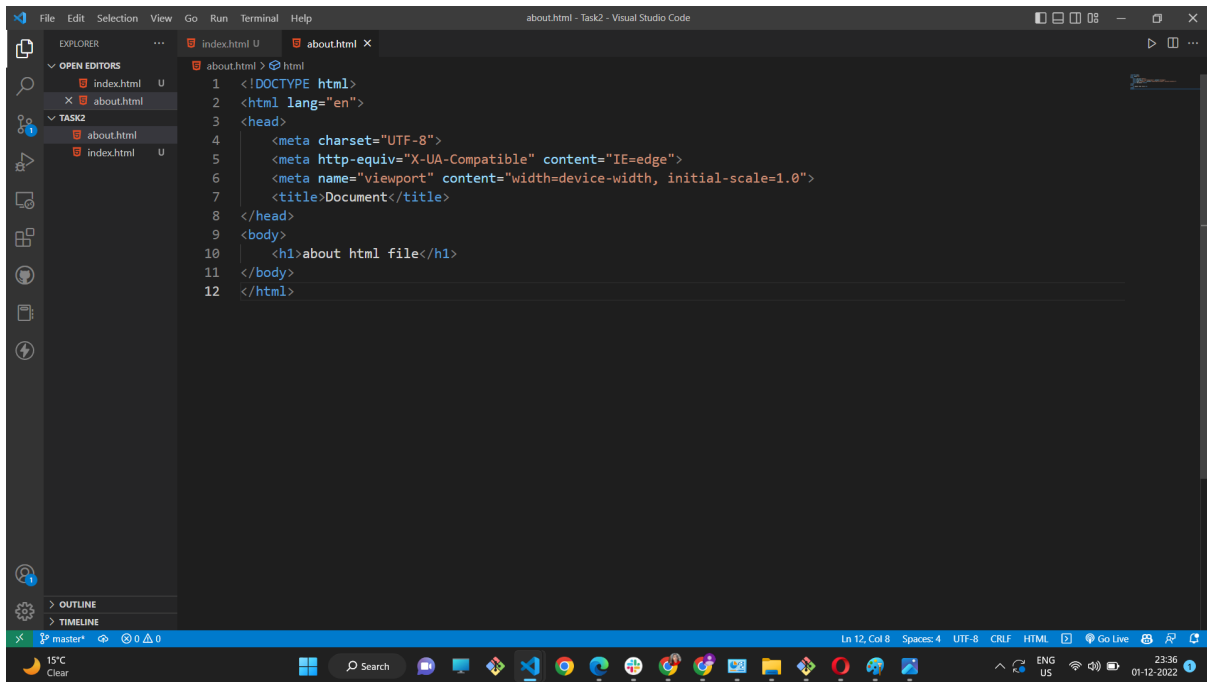


```
GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Task1 (master)
$ git add .

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Task1 (master)
$ git commit -m "Initial Message"
[master (root-commit) bee693a] Initial Message
 1 file changed, 12 insertions(+)
 create mode 100644 index.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Task1 (master)
$
```

Exercise 2

```
GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~
$ git init Task2
Initialized empty Git repository in C:/Users/GAJAL LATA/Task2/.git/

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~
$
```

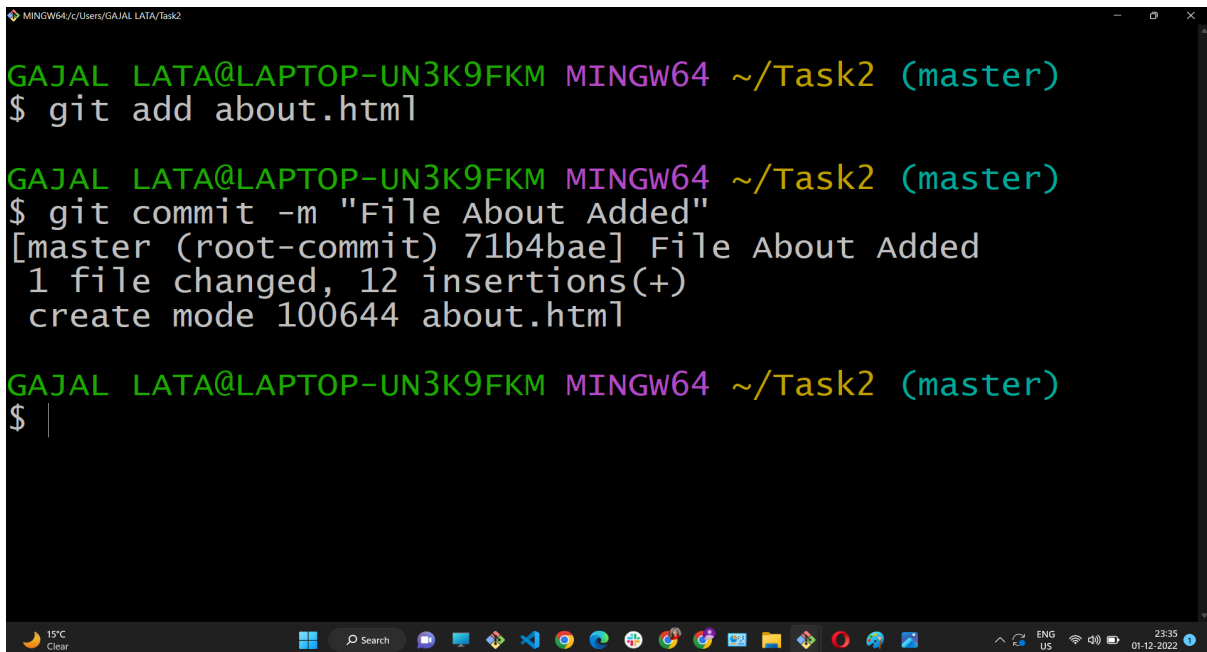## Exercise 3


```
GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~
$ git init Task3
Initialized empty Git repository in C:/Users/GAJAL LATA/Task3/.git/

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~
$ |
```

```
Users > GAJAL LATA > Task3

Name                    Date modified        Type              Size
.git                    02-12-2022 02:22     File folder
about5.html             02-12-2022 02:17     Opera Web Docu...    1 KB
index5.html             02-12-2022 02:16     Opera Web Docu...    1 KB
```

```
GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Task3 (master)
$ git add index5.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Task3 (master)
$ git commit -m "adding index.html"
[master (root-commit) 9ed3739] adding index.html
 1 file changed, 12 insertions(+)
 create mode 100644 index5.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Task3 (master)
$ git commit --amend -m "about.html"
[master 37980c5] about.html
 Date: Fri Dec 2 02:20:28 2022 +0530
 1 file changed, 12 insertions(+)
 create mode 100644 index5.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Task3 (master)
$ git add about5.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Task3 (master)
$ git commit -m "adding about.html"
[master d68c9ab] adding about.html
 1 file changed, 12 insertions(+)
 create mode 100644 about5.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Task3 (master)
$ git commit --amend -m "about.html"
[master 84a4435] about.html
 Date: Fri Dec 2 02:22:39 2022 +0530
 1 file changed, 12 insertions(+)
 create mode 100644 about5.html
```

Exercise4

```
GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~
$ git init Exercise4
Initialized empty Git repository in C:/Users/GAJAL LATA/Exercise4/.git/

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~
$ touch .gitignore

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~
$ |
```

Exercise5

```
GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~
$ git init Exercise5
Initialized empty Git repository in C:/Users/GAJAL LATA/Exercise5/.git/

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~
$
```

```
GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise5 (master)
$ git add index.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise5 (master)
$ git commit -m "commit index.html"
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        about.html

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

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise5 (master)
$ git log
commit 4365caee91636c59a5a72197d65dbffe7d454dcc (HEAD -> master)
Author: Gajal21 <gajal.lconsultadd@gmail.com>
Date:   Fri Dec 2 19:12:58 2022 +0530

    commit index.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise5 (master)
$ touch about.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise5 (master)
$ git add about.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise5 (master)
$ git stash
Saved working directory and index state WIP on master: 4365cae commit index.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise5 (master)
$ git stash list
stash@{0}: WIP on master: 4365cae commit index.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise5 (master)
$ |
```

Exercise 6

Name	Date modified	Type	Size
.git	02-12-2022 02:59	File folder	
Exercise 5.html	02-12-2022 02:38	Opera Web Docu...	1 KB

Ex. 6

```
GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise5 (master)
$ git add .

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise5 (master)
$ git commit -m "first commit"
[master (root-commit) c02437c] first commit
 1 file changed, 12 insertions(+)
 create mode 100644 Exercise 5.html
```
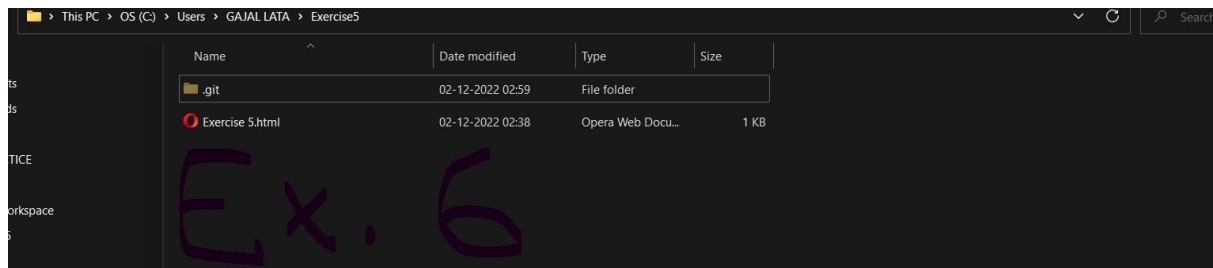
```
GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise5 (master)
$ git commit --amend -m "second commit"
[master a6809f7] second commit
 Date: Fri Dec 2 02:39:00 2022 +0530
 1 file changed, 12 insertions(+)
 create mode 100644 Exercise 5.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise
5 (master)
$ git log
commit a6809f7d52825833700fd91d559047113bf717f0 (HEAD -> master)
Author: Gajal21 <gajal.lconsultadd@gmail.com>
Date:   Fri Dec 2 02:39:00 2022 +0530

    second commit
```

```
GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise5 (master)
$ git log
commit a6809f7d52825833700fd91d559047113bf717f0 (HEAD -> master)
Author: Gajal21 <gajal.lconsultadd@gmail.com>
Date:   Fri Dec 2 02:39:00 2022 +0530

    second commit

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise5 (master)
$ git commit --amend -m "third commit"
[master 564dba8] third commit
 Date: Fri Dec 2 02:39:00 2022 +0530
 1 file changed, 12 insertions(+)
 create mode 100644 Exercise 5.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise5 (master)
$ git log
commit 564dba88f9720eee0d69a1177df4a5bbb68dcc06 (HEAD -> master)
Author: Gajal21 <gajal.lconsultadd@gmail.com>
Date:   Fri Dec 2 02:39:00 2022 +0530

    third commit

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise5 (master)
$ git reset --soft

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise5 (master)
$ git reset --soft  a6809f7d52825833700fd91d559047113bf717f0

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise5 (master)
$ git status
On branch master
nothing to commit, working tree clean

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise5 (master)
$ git log
commit a6809f7d52825833700fd91d559047113bf717f0 (HEAD -> master)
Author: Gajal21 <gajal.lconsultadd@gmail.com>
Date:   Fri Dec 2 02:39:00 2022 +0530

    second commit

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise5 (master)
```

Exercise 7

```
GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~
$ git init Task7
Initialized empty Git repository in C:/Users/GAJAL LATA/Task7/.git/

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~
$ touch first.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~
$ touch second.html
```

```
GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Task7 (master)
$ git add second.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Task7 (master)
$ git commit -m "commit second.html to Task7"
[master (root-commit) 120788a] commit second.html to Task7
 1 file changed, 12 insertions(+)
 create mode 100644 second.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Task7 (master)
$ git add first.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Task7 (master)
$ git commit -m "commit first.html to Task7"
[master bdea633] commit first.html to Task7
 1 file changed, 12 insertions(+)
 create mode 100644 first.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Task7 (master)
$ git log
commit bdea6334f275d3708413090ea50b65a118bce851 (HEAD -> master)
Author: Gajal21 <gajal.lconsultadd@gmail.com>
Date:   Fri Dec 2 19:02:01 2022 +0530

    commit first.html to Task7

commit 120788a741a739843d06df869c86c3917ea59b94
Author: Gajal21 <gajal.lconsultadd@gmail.com>
Date:   Fri Dec 2 19:01:37 2022 +0530

    commit second.html to Task7

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Task7 (master)
$ git reset --hard
HEAD is now at bdea633 commit first.html to Task7

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Task7 (master)
$ git status
On branch master
nothing to commit, working tree clean

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Task7 (master)
$
```

Exercise 8

```
GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~
$ git init Exercise-8
Initialized empty Git repository in C:/Users/GAJAL LATA/Exercise-8/.git/

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~
$ touch index.html
```

```
GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise-8 (master)
$ git add .

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise-8 (master)
$ git commit -m "Commiting file index.html to Exercise 8"
[master (root-commit) 4fbb6e8] Commiting file index.html to Exercise 8
 1 file changed, 12 insertions(+)
 create mode 100644 index.html
```

```
GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise-8 (master)
$ git branch my-feature

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise-8 (master)
$ git checkout my-feature
Switched to branch 'my-feature'

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise-8 (my-feature)
$ touch about.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise-8 (my-feature)
$ git add .

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise-8 (my-feature)
$ git commit -m "Commiting new file about.html on the new bramch"
[my-feature 71d610c] Commiting new file about.html on the new bramch
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 about.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise-8 (my-feature)
$ git checkout master
Switched to branch 'master'

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise-8 (master)
$ git merge my-feature
Updating 4fbb6e8..71d610c
Fast-forward
 about.html | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 about.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Exercise-8 (master)
$ |
```

Exercise 9

```
GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~
$ git init Ex9
Initialized empty Git repository in C:/Users/GAJAL LATA/Ex9/.git/

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~
$
```

```
GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Ex9 (master)
$ touch index.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Ex9 (master)
$ git commit -m "index.html commited to the master branch"
On branch master

Initial commit

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

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

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Ex9 (master)
$ git add .

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Ex9 (master)
$ git commit -m "index.html commited to the master branch"
[master (root-commit) 964a640] index.html commited to the master branch
 1 file changed, 12 insertions(+)
 create mode 100644 index.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Ex9 (master)
$ git branch my-feature

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Ex9 (master)
$ git checkout my-feature
Switched to branch 'my-feature'

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Ex9 (my-feature)
$ touch about.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Ex9 (my-feature)
$ git add .

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Ex9 (my-feature)
$ git commit -m "commited both files on the new branch"
[my-feature 28a83ac] commited both files on the new branch
 1 file changed, 12 insertions(+)
 create mode 100644 about.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Ex9 (my-feature)
$ git checkout master
Switched to branch 'master'

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Ex9 (master)
$ git add index.html

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Ex9 (master)
$ git commit -m "commited the changes in index.html file on master branch"
On branch master
nothing to commit, working tree clean

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Ex9 (master)
$ git merge my-feature
```

```
GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Ex9 (master)
$ git commit -m "commited the changes in index.html file on master branch"
On branch master
nothing to commit, working tree clean

GAJAL LATA@LAPTOP-UN3K9FKM MINGW64 ~/Ex9 (master)
$ git merge my-feature
Updating 964a640..28a83ac
Fast-forward
 about.html | 12 ++++++++++++
 1 file changed, 12 insertions(+)
 create mode 100644 about.html
```