

Source Code Management CSU2312

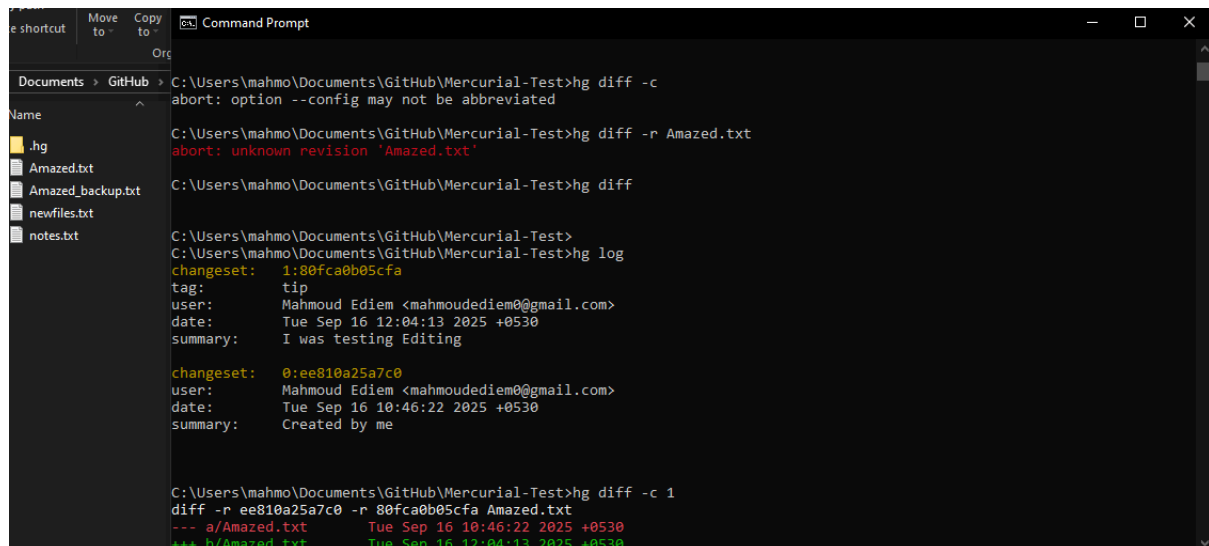
Practical-5

Submitted by : Mahmoud Ediem

Reg no : INGF202312028

Implement the Github commands and commands covered in the lesson using Mercurial.

Screenshots:



```
C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg diff -c
abort: option --config may not be abbreviated

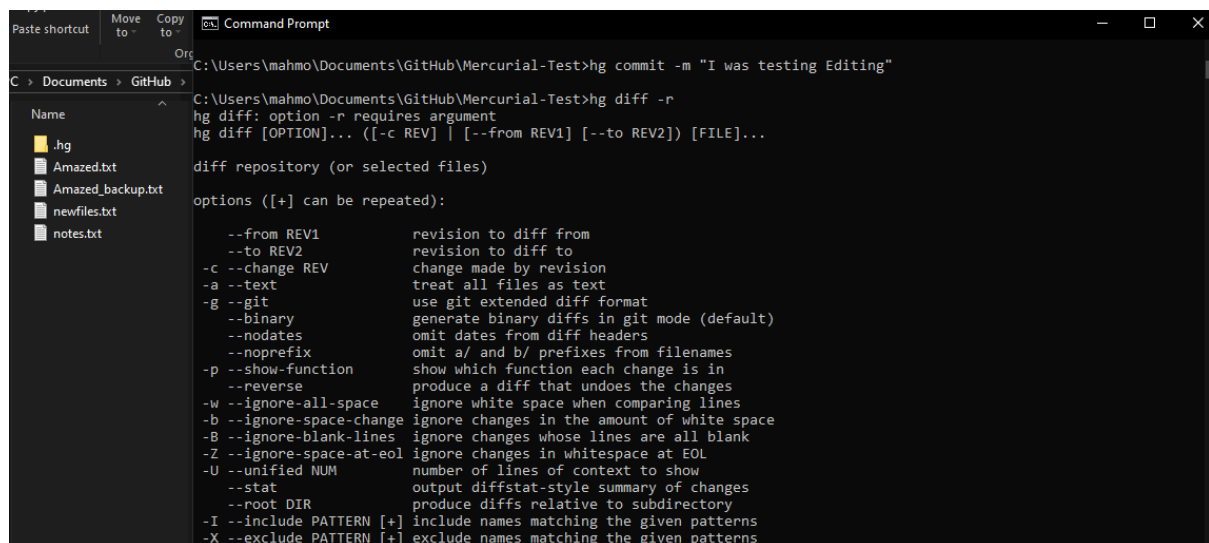
C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg diff -r Amazed.txt
abort: unknown revision 'Amazed.txt'

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg diff

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg log
changeset: 1:80fca0b05cfa
tag: tip
user: Mahmoud Ediem <mahmoudediem@gmail.com>
date: Tue Sep 16 12:04:13 2025 +0530
summary: I was testing Editing

changeset: 0:ee810a25a7c0
user: Mahmoud Ediem <mahmoudediem@gmail.com>
date: Tue Sep 16 10:46:22 2025 +0530
summary: Created by me

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg diff -c 1
diff -r ee810a25a7c0 -r 80fca0b05cfa Amazed.txt
--- a/Amazed.txt      Tue Sep 16 10:46:22 2025 +0530
+++ b/Amazed.txt      Tue Sep 16 12:04:13 2025 +0530
```



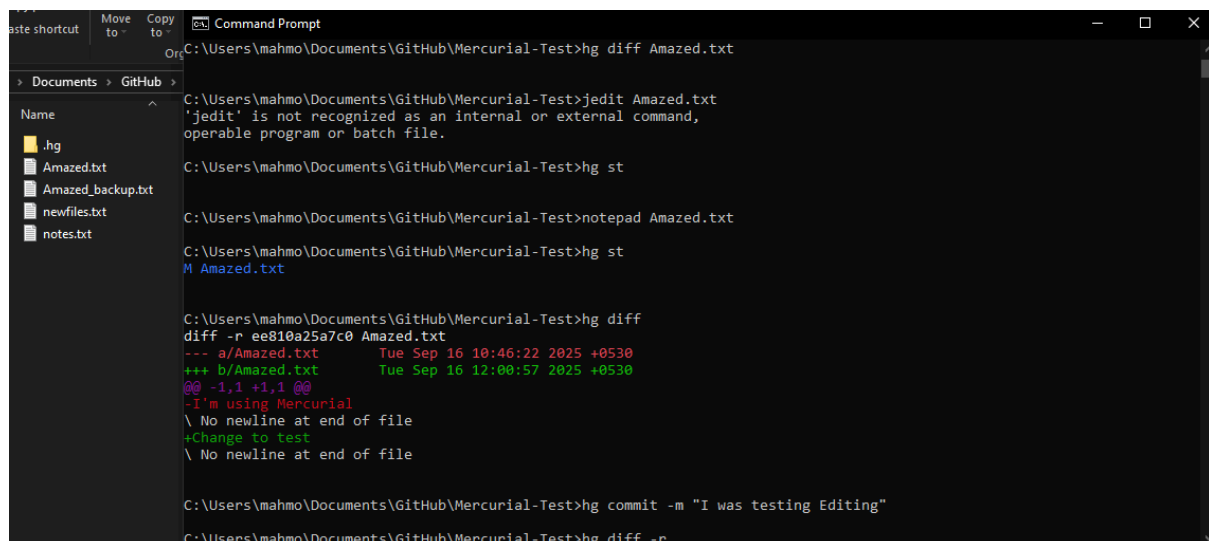
```
C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg commit -m "I was testing Editing"

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg diff -r
hg diff: option -r requires argument
hg diff [OPTION]... ([-c REV] | [--from REV1] [--to REV2]) [FILE]...

diff repository (or selected files)

options ([+] can be repeated):

--from REV1      revision to diff from
--to REV2        revision to diff to
-c --change REV  change made by revision
-a --text        treat all files as text
-g --git         use git extended diff format
--binary         generate binary diffs in git mode (default)
--nodates        omit dates from diff headers
--noprefix       omit a/ and b/ prefixes from filenames
-p --show-function show which function each change is in
--reverse        produce a diff that undoes the changes
-W --ignore-all-space ignore white space when comparing lines
-b --ignore-space-change ignore changes in the amount of white space
-B --ignore-blank-lines ignore changes whose lines are all blank
-Z --ignore-space-at-eol ignore changes in whitespace at EOL
-U --unified NUM  number of lines of context to show
--stat           output diffstat-style summary of changes
--root DIR       produce diffs relative to subdirectory
-I --include PATTERN [+] include names matching the given patterns
-X --exclude PATTERN [+] exclude names matching the given patterns
```



```
C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg diff Amazed.txt

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>jedit Amazed.txt
'jedit' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg st

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>notepad Amazed.txt

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg st
M Amazed.txt

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg diff
diff -r ee810a25a7c0 Amazed.txt
--- a/Amazed.txt      Tue Sep 16 10:46:22 2025 +0530
+++ b/Amazed.txt      Tue Sep 16 12:00:57 2025 +0530
@@ -1,1 +1,1 @@
-I'm using Mercurial
\ No newline at end of file
+Change to test
\ No newline at end of file

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg commit -m "I was testing Editing"

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg diff -r
```

```

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg commit -m "Renamed myfile.txt to notes.txt"
myfile.txt: The system cannot find the file specified
abort: no files to copy
(maybe you meant to use --after --at-rev=.)

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>dir
Volume in drive C has no label.
Volume Serial Number is B662-2DCF

Directory of C:\Users\mahmo\Documents\GitHub\Mercurial-Test

09/16/2025  12:12 PM    <DIR>          .
09/16/2025  12:12 PM    <DIR>          ..
09/16/2025  12:15 PM    <DIR>          .hg
09/16/2025  11:59 AM                14 Amazed.txt
09/16/2025  12:12 PM                14 Amazed_backup.txt
09/16/2025  10:40 AM                37 notes.txt
               3 File(s)                65 bytes
               3 Dir(s)  53,060,915,200 bytes free

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg mv -A myfile.txt notes.txt
myfile.txt: The system cannot find the file specified
abort: no files to copy
(maybe you meant to use --after --at-rev=.)

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg commit -m "Added Amazed_backup.txt, notes.txt and removed myfile.txt"
nothing changed

```

```

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg diff -c 1
diff -r ee810a25a7c0 -r 80fca0b05cfa Amazed.txt
--- a/Amazed.txt      Tue Sep 16 10:46:22 2025 +0530
+++ b/Amazed.txt      Tue Sep 16 12:04:13 2025 +0530
@@ -1,1 +1,1 @@
-I'm using Mercurial
\ No newline at end of file
+Change to test
\ No newline at end of file

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg diff -r 0 -r 1
diff -r ee810a25a7c0 -r 80fca0b05cfa Amazed.txt
--- a/Amazed.txt      Tue Sep 16 10:46:22 2025 +0530
+++ b/Amazed.txt      Tue Sep 16 12:04:13 2025 +0530
@@ -1,1 +1,1 @@
-I'm using Mercurial
\ No newline at end of file
+Change to test
\ No newline at end of file

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg log
changeset:  1:80fca0b05cfa
tag:        tip
user:       Mahmoud Ediem <mahmoudediem0@gmail.com>
date:       Tue Sep 16 12:04:13 2025 +0530
summary:    I was testing Editing

changeset:  0:ee810a25a7c0

```

```

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg log --template list
available styles: bisect, changelog, compact, default, phases, show, status, xml
abort: specify a template

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg log bisect

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg log --template=custom
customcustom

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg log --template "{rev): {desc} by {author}\n"
1: I was testing Editing by Mahmoud Ediem <mahmoudediem0@gmail.com>
0: Created by me by Mahmoud Ediem <mahmoudediem0@gmail.com>

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg cp Amazed.txt Amazed_backup.txt

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg st
A Amazed_backup.txt

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg mv myfile.txt notes.txt

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg st
A Amazed_backup.txt
A notes.txt
R myfile.txt

```

```
Select Command Prompt

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>echo Hello > newfiles.txt

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg add myfile.txt
myfile.txt: The system cannot find the file specified

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>
C:\Users\mahmo\Documents\GitHub\Mercurial-Test>echo Hello > newfiles.txt

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg add newfiles.txt

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg st
A newfiles.txt

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg rm notes.txt

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg revert
abort: no files or directories specified
(uncommitted changes, use --all to discard all changes)

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg revert notes
notes: no such file in rev 4d93069a15b2

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg revert notes.txt

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg rollback
repository tip rolled back to revision 1 (undo commit)
working directory now based on revision 1
```

```
Select Command Prompt

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg revert notes
notes: no such file in rev 4d93069a15b2

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg revert notes.txt

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg rollback
repository tip rolled back to revision 1 (undo commit)
working directory now based on revision 1

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg commit --amend
saved backup bundle to C:\Users\mahmo\Documents\GitHub\Mercurial-Test\.hg\strip-backup\80fca0b05cfa-fc803402-amend.hg

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg commit --amend notes.txt
nothing changed

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg commit --amend newfiles.txt
nothing changed

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg commit --amend newfiles.txt
saved backup bundle to C:\Users\mahmo\Documents\GitHub\Mercurial-Test\.hg\strip-backup\d73c4b1f25f0-6e82c0de-amend.hg

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>git-remote-hg
'git-remote-hg' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg-fast-export.sh -r C:\Users\mahmo\Documents\GitHub\Mercurial-Test
'hg-fast-export.sh' is not recognized as an internal or external command,
operable program or batch file.
```

Files used and created in my practical-5:

