

Source Code Management CSU2312
Practical-5

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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
changeset: 1:80fcab005cfa
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
user:    Mahmoud Ediem <mahmoudediem0@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 80fcab005cfa 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]... ([--from REV] | [--to REV1] [--to REV2]) [FILE]...
diff repository (or selected files)
options ([+] can be repeated):
    --from REV           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)
    --nodoses           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
```

Paste shortcut Move to Copy to **Select Command Prompt**

On C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg commit -m "Renamed myfile.txt to notes.txt"

> Documents > GitHub >

Name	
.hg	
Amazed.txt	
Amazed_backup.txt	
newfiles.txt	
notes.txt	

```
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>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
```

Paste shortcut Move to Copy to **Select Command Prompt**

On C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg diff -c 1

> Documents > GitHub >

Name	
.hg	
Amazed.txt	
Amazed_backup.txt	
newfiles.txt	
notes.txt	

```
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 <mahmoudediem@gmail.com>
date: Tue Sep 16 12:04:13 2025 +0530
summary: I was testing Editing

changeset: 0:ee810a25a7c0
```

Paste shortcut Move to Copy to **Select Command Prompt**

On C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg log --template list

> Documents > GitHub > available styles: bisect, changelog, compact, default, phases, show, status, xml

Name	
.hg	C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg log bisect
Amazed.txt	C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg log --template=custom
Amazed_backup.txt	customcustom
newfiles.txt	C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg log --template "{rev}: {desc} by {author}\n"
notes.txt	1: I was testing Editing by Mahmoud Ediem <mahmoudediem@gmail.com> 0: Created by me by Mahmoud Ediem <mahmoudediem@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
```

```
[\u25a1] 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
```

```
[\u25a1] Select Command Prompt

Copy path | Move to... | Copy to... | Org
C > Documents > GitHub > notes: no such file in rev 4d93069a15b2
Name
hg
Amazed.txt
Amazed_backup.txt
newfiles.txt
notes.txt

C:\Users\mahmo\Documents\GitHub\Mercurial-Test>hg revert notes
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/80fc0b05cfa-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:



