Practical – 5

Subject Name – Source Code Management [CSU2312]

Student Name – Diksha Devi

Registration Number – GF202345922

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Command Prompt

marked working directory as branch feature1
(branches are permanent and global, did you want a bookmark?)

C:\Users\d8506\my_repo>echo More > file2.txt

C:\Users\d8506\my_repo>hg add file2.txt

C:\Users\d8506\my_repo>hg commit -m "Add file2 in feature1 branch"

C:\Users\d8506\my_repo>hg update default
0 files updated, 0 files merged, 1 files removed, 0 files unresolved

C:\Users\d8506\my_repo>hg merge feature1
1 files updated, 0 files merged, 0 files removed, 0 files unresolved
(branch merge, don't forget to commit)

C:\Users\d8506\my_repo>hg commit -m "Merge feature1 into default"

C:\Users\d8506\my_repo>hg branches
default                        2:331a92cc917f
feature1                       1:627899b62c9e (inactive)


C:\Users\d8506\my_repo>hg log
changeset:   2:331a92cc917f
tag:         tip
parent:      0:bc81a57c2673
parent:      1:627899b62c9e
user:        Diksha Devi <d8506462@gmail.com>
date:        Thu Sep 18 18:56:51 2025 +0530
summary:     Merge feature1 into default

changeset:   1:627899b62c9e
branch:      feature1
user:        Diksha Devi <d8506462@gmail.com>
date:        Thu Sep 18 18:56:15 2025 +0530
summary:     Add file2 in feature1 branch

changeset:   0:bc81a57c2673
user:        Diksha Devi <d8506462@gmail.com>
date:        Thu Sep 18 18:54:31 2025 +0530
summary:     Initial commit



C:\Users\d8506\my_repo>hg diff


C:\Users\d8506\my_repo>
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Command Prompt

C:\Users\d8506\my_repo>hg update default
0 files updated, 0 files merged, 0 files removed, 0 files unresolved

C:\Users\d8506\my_repo>hg branch feature2
marked working directory as branch feature2
(branches are permanent and global, did you want a bookmark?)

C:\Users\d8506\my_repo>echo "new content" > file3.txt

C:\Users\d8506\my_repo>hg add file3.txt

C:\Users\d8506\my_repo>hg commit -m "Add file3 in feature2 branch"

C:\Users\d8506\my_repo>hg log
changeset:   4:c86078184087
branch:      feature2
tag:         tip
parent:      2:331a92cc917f
user:        Diksha Devi <d8506462@gmail.com>
date:        Thu Sep 18 19:31:58 2025 +0530
summary:     Add file3 in feature2 branch

changeset:   3:b03f67bbe41e
branch:      feature1
parent:      1:627899b62c9e
user:        Diksha Devi <d8506462@gmail.com>
date:        Thu Sep 18 19:30:05 2025 +0530
summary:     Closing feature1 branch

changeset:   2:331a92cc917f
parent:      0:bc81a57c2673
parent:      1:627899b62c9e
user:        Diksha Devi <d8506462@gmail.com>
date:        Thu Sep 18 18:56:51 2025 +0530
summary:     Merge feature1 into default

changeset:   1:627899b62c9e
branch:      feature1
user:        Diksha Devi <d8506462@gmail.com>
date:        Thu Sep 18 18:56:15 2025 +0530
summary:     Add file2 in feature1 branch

changeset:   0:bc81a57c2673
user:        Diksha Devi <d8506462@gmail.com>
date:        Thu Sep 18 18:54:31 2025 +0530
summary:     Initial commit
```

```
date:          Thu Sep 18 18:54:31 2025 +0530
summary:       Initial commit


C:\Users\d8506\my_repo>hg diff


C:\Users\d8506\my_repo>hg update feature1
0 files updated, 0 files merged, 0 files removed, 0 files unresolved

C:\Users\d8506\my_repo>hg commit --close-branch -m "Closing feature1 branch"

C:\Users\d8506\my_repo>hg update default
0 files updated, 0 files merged, 0 files removed, 0 files unresolved

C:\Users\d8506\my_repo>hg branches
default                        2:331a92cc917f


C:\Users\d8506\my_repo>hg update default
0 files updated, 0 files merged, 0 files removed, 0 files unresolved

C:\Users\d8506\my_repo>hg branch feature2
marked working directory as branch feature2
(branches are permanent and global, did you want a bookmark?)

C:\Users\d8506\my_repo>echo "new content" > file3.txt

C:\Users\d8506\my_repo>hg add file3.txt

C:\Users\d8506\my_repo>hg commit -m "Add file3 in feature2 branch"

C:\Users\d8506\my_repo>hg log
changeset:     4:c86078184087
branch:        feature2
tag:           tip
parent:        2:331a92cc917f
user:          Diksha Devi <d8506462@gmail.com>
date:          Thu Sep 18 19:31:58 2025 +0530
summary:       Add file3 in feature2 branch

changeset:     3:b03f67bbe41e
branch:        feature1
parent:        1:627899b62c9e
user:          Diksha Devi <d8506462@gmail.com>
date:          Thu Sep 18 19:30:05 2025 +0530
summary:       Closing feature1 branch
```

```
Command Prompt

changeset:   2:331a92cc917f
parent:      0:bc81a57c2673
parent:      1:627899b62c9e
user:        Diksha Devi <d8506462@gmail.com>
date:        Thu Sep 18 18:56:51 2025 +0530
summary:     Merge feature1 into default

changeset:   1:627899b62c9e
branch:      feature1
user:        Diksha Devi <d8506462@gmail.com>
date:        Thu Sep 18 18:56:15 2025 +0530
summary:     Add file2 in feature1 branch

changeset:   0:bc81a57c2673
user:        Diksha Devi <d8506462@gmail.com>
date:        Thu Sep 18 18:54:31 2025 +0530
summary:     Initial commit


C:\Users\d8506\my_repo>hg status


C:\Users\d8506\my_repo>hg resolve -l


C:\Users\d8506\my_repo>hg resolve -m <file>
The syntax of the command is incorrect.

C:\Users\d8506\my_repo>hg commit
nothing changed

C:\Users\d8506\my_repo>hg status


C:\Users\d8506\my_repo>hg resolve -m file2.txt
abort: resolve command not applicable when not merging

C:\Users\d8506\my_repo>hg status


C:\Users\d8506\my_repo>hg branch feature2
abort: a branch of the same name already exists
(use 'hg update' to switch to it)

C:\Users\d8506\my_repo>echo "Hello feature2" > file3.txt

C:\Users\d8506\my_repo>hg add file3.txt
```

```
Command Prompt

C:\Users\d8506\my_repo>hg branch feature2
abort: a branch of the same name already exists
(use 'hg update' to switch to it)

C:\Users\d8506\my_repo>echo "Hello feature2" > file3.txt

C:\Users\d8506\my_repo>hg add file3.txt

C:\Users\d8506\my_repo>hg commit -m "Add file3 in feature2 branch"

C:\Users\d8506\my_repo>hg update default
0 files updated, 0 files merged, 0 files removed, 0 files unresolved

C:\Users\d8506\my_repo>hg merge feature2
merging file3.txt
'echomsg' is not recognized as an internal or external command,
operable program or batch file.
merging file3.txt failed!
0 files updated, 0 files merged, 0 files removed, 1 files unresolved
use 'hg resolve' to retry unresolved file merges or 'hg merge --abort' to abandon

C:\Users\d8506\my_repo>hg commit -m "Merge feature2 into default"
abort: unresolved merge conflicts (see 'hg help resolve')

C:\Users\d8506\my_repo>hg status
M file3.txt
? file3.txt.orig


C:\Users\d8506\my_repo>hg resolve -m file3.txt
(no more unresolved files)

C:\Users\d8506\my_repo>del file3.txt.orig

C:\Users\d8506\my_repo>hg commit -m "Merge feature2 into default"

C:\Users\d8506\my_repo>hg status


C:\Users\d8506\my_repo>hg log -l 5
changeset:   6:d6b4cd589420
tag:         tip
parent:      5:44cabd3eece6
parent:      4:c86078184087
user:        Diksha Devi <d8506462@gmail.com>
date:        Thu Sep 18 19:45:12 2025 +0530
summary:     Merge feature2 into default
```

```
C:\Users\d8506\my_repo>del file3.txt.orig

C:\Users\d8506\my_repo>hg commit -m "Merge feature2 into default"

C:\Users\d8506\my_repo>hg status


C:\Users\d8506\my_repo>hg log -l 5
changeset:   6:d6b4cd589420
tag:         tip
parent:      5:44cabd3eece6
parent:      4:c86078184087
user:        Diksha Devi <d8506462@gmail.com>
date:        Thu Sep 18 19:45:12 2025 +0530
summary:     Merge feature2 into default

changeset:   5:44cabd3eece6
parent:      2:331a92cc917f
user:        Diksha Devi <d8506462@gmail.com>
date:        Thu Sep 18 19:43:29 2025 +0530
summary:     Add file3 in feature2 branch

changeset:   4:c86078184087
branch:      feature2
parent:      2:331a92cc917f
user:        Diksha Devi <d8506462@gmail.com>
date:        Thu Sep 18 19:31:58 2025 +0530
summary:     Add file3 in feature2 branch

changeset:   3:b03f67bbe41e
branch:      feature1
parent:      1:627899b62c9e
user:        Diksha Devi <d8506462@gmail.com>
date:        Thu Sep 18 19:30:05 2025 +0530
summary:     Closing feature1 branch

changeset:   2:331a92cc917f
parent:      0:bc81a57c2673
parent:      1:627899b62c9e
user:        Diksha Devi <d8506462@gmail.com>
date:        Thu Sep 18 18:56:51 2025 +0530
summary:     Merge feature1 into default


C:\Users\d8506\my_repo>
```