**Git AND GitHub Assignments**

**Section 0 (1 to 8)**

$ mkdir project\_dir

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~

$ cd project\_dir

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir

$ git init

Initialized empty Git repository in C:/Users/Utsavkumar/project\_dir/.git/

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (master)

$ touch index.html

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (master)

$ git status

On branch master

No commits yet

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)

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (master)

$ git add index.html

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (master)

$ git commit -m "index.html file added"

[master (root-commit) 3b7ca9b] index.html file added

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 index.html

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (master)

$ git commit -m "index.html file updated "

modified: index.html

no changes added to commit (use "git add" and/or "git commit -a")

(use "git restore <file>..." to discard changes in working directory)

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (master)

$ touch info.txt

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (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: index.html

Untracked files:

(use "git add <file>..." to include in what will be committed)

info.txt

no changes added to commit (use "git add" and/or "git commit -a")

**Section 0 (8 to 20)**

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (master)

$ touch .gitignore

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (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: index.html

Untracked files:

(use "git add <file>..." to include in what will be committed)

.gitignore

no changes added to commit (use "git add" and/or "git commit -a")

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (master)

$ git commit -m "index.html file updated (2) "

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: index.html

Untracked files:

(use "git add <file>..." to include in what will be committed)

.gitignore

no changes added to commit (use "git add" and/or "git commit -a")

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (master)

$ git add .

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (master)

$ git commit -m "index.html file updated (2) "

[master c7bfe73] index.html file updated (2)

2 files changed, 13 insertions(+)

create mode 100644 .gitignore

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (master)

$ git status

On branch master

nothing to commit, working tree clean

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (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: index.html

no changes added to commit (use "git add" and/or "git commit -a")

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (master)

$ git reset --hard

HEAD is now at c7bfe73 index.html file updated (2)

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (master)

$ git add index.html

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (master)

$ git status

On branch master

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

modified: index.html

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (master)

$ git config --global alias.my-add add

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (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: index.html

no changes added to commit (use "git add" and/or "git commit -a")

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (master)

$ git my-add index.html

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (master)

$ git status

On branch master

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

modified: index.html

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (master)

$ git status

On branch master

nothing to commit, working tree clean

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (master)

$ git reset HEAD

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/project\_dir (master)

$ git status

On branch master

nothing to commit, working tree clean

**Section 1 (20 to 38)**

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git commit -m "README.txt file added"

On branch master

Initial commit

Untracked files:

(use "git add <file>..." to include in what will be committed)

README.txt

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

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git add README.txt

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git commit -m "README.txt file added"

[master (root-commit) c3ad18a] README.txt file added

1 file changed, 3 insertions(+)

create mode 100644 README.txt

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git branch

\* master

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git branch html-assignments

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git checkout html-assignments

Switched to branch 'html-assignments'

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (html-assignments)

$ git branch

\* html-assignments

master

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (html-assignments)

$ git add README.txt

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (html-assignments)

$ git commit -m "HTML Assignmet is getting done"

[html-assignments c036022] HTML Assignmet is getting done

1 file changed, 3 insertions(+), 1 deletion(-)

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (html-assignments)

$ git branch master

fatal: A branch named 'master' already exists.

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (html-assignments)

$ git checkout master

Switched to branch 'master'

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git checkout html-assignments

Switched to branch 'html-assignments'

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (html-assignments)

$ git add README.txt

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (html-assignments)

$ git commit -m "HTML Assignmet Done"

[html-assignments f866e71] HTML Assignmet Done

1 file changed, 3 insertions(+), 1 deletion(-)

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (html-assignments)

$ git log

commit f866e715679abb974316a53002b252227911d531 (HEAD -> html-assignments)

Author: Utsav Kumar <utsavkumar9920@gmail.com>

Date: Thu Jul 29 18:39:07 2021 +0530

HTML Assignmet Done

commit c036022061ad0f4a50e4bf7a4c469441a5e1dd2f

Author: Utsav Kumar <utsavkumar9920@gmail.com>

Date: Thu Jul 29 18:37:35 2021 +0530

HTML Assignmet is getting done

commit c3ad18a831923700223762960c517db7ea91ccdd (master)

Author: Utsav Kumar <utsavkumar9920@gmail.com>

Date: Thu Jul 29 18:34:08 2021 +0530

README.txt file added

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (html-assignments)

$ git checkout master

Switched to branch 'master'

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git log

commit c3ad18a831923700223762960c517db7ea91ccdd (HEAD -> master)

Author: Utsav Kumar <utsavkumar9920@gmail.com>

Date: Thu Jul 29 18:34:08 2021 +0530

README.txt file added

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git checkout master

Already on 'master'

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git add README.txt

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git commit -m "README Updated"

[master 0e2523b] README Updated

1 file changed, 3 insertions(+), 1 deletion(-)

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git log

commit 0e2523b06cef147bf04726bee7e2987cfb344ef5 (HEAD -> master)

Author: Utsav Kumar <utsavkumar9920@gmail.com>

Date: Thu Jul 29 18:41:50 2021 +0530

README Updated

commit c3ad18a831923700223762960c517db7ea91ccdd

Author: Utsav Kumar <utsavkumar9920@gmail.com>

Date: Thu Jul 29 18:34:08 2021 +0530

README.txt file added

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git merge html-assignments

Auto-merging README.txt

CONFLICT (content): Merge conflict in README.txt

Automatic merge failed; fix conflicts and then commit the result.

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master|MERGING)

$ git merge html-assignments

error: Merging is not possible because you have unmerged files.

hint: Fix them up in the work tree, and then use 'git add/rm <file>'

hint: as appropriate to mark resolution and make a commit.

fatal: Exiting because of an unresolved conflict.

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master|MERGING)

$ ^C

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master|MERGING)

$ git add .

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master|MERGING)

$ git commit -m "Resolved Conflict"

[master 39380ce] Resolved Conflict

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git merge html-assignments

Already up to date.

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$**Section 2 (1 to 14)**

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git branch css-assignments

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git branch

css-assignments

html-assignments

\* master

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git checkout css-assignments

Switched to branch 'css-assignments'

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (css-assignments)

$ git add README.txt

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (css-assignments)

$ git commit -m "README.txt file added in CSS branch"

On branch css-assignments

nothing to commit, working tree clean

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (css-assignments)

$ git add README.txt

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (css-assignments)

$ git commit -m "CSS Assignment is in progress"

[css-assignments f130481] CSS Assignment is in progress

1 file changed, 3 insertions(+)

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (css-assignments)

$ git checkout master

Switched to branch 'master'

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git add README.txt

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git commit -m "CSS Assignment "

[master b928a43] CSS Assignment

1 file changed, 2 insertions(+)

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git log

commit b928a433762b0cbd085b79800cc45957cb44004a (HEAD -> master)

Author: Utsav Kumar <utsavkumar9920@gmail.com>

Date: Thu Jul 29 18:58:04 2021 +0530

CSS Assignment

commit 39380ce7b67b7d962f5011c7386e6767edbf27db

Merge: 0e2523b f866e71

Author: Utsav Kumar <utsavkumar9920@gmail.com>

Date: Thu Jul 29 18:45:43 2021 +0530

Resolved Conflict

commit 0e2523b06cef147bf04726bee7e2987cfb344ef5

Author: Utsav Kumar <utsavkumar9920@gmail.com>

Date: Thu Jul 29 18:41:50 2021 +0530

README Updated

commit f866e715679abb974316a53002b252227911d531 (html-assignments)

Author: Utsav Kumar <utsavkumar9920@gmail.com>

Date: Thu Jul 29 18:39:07 2021 +0530

HTML Assignmet Done

commit c036022061ad0f4a50e4bf7a4c469441a5e1dd2f

Author: Utsav Kumar <utsavkumar9920@gmail.com>

Date: Thu Jul 29 18:37:35 2021 +0530

HTML Assignmet is getting done

commit c3ad18a831923700223762960c517db7ea91ccdd

Author: Utsav Kumar <utsavkumar9920@gmail.com>

Date: Thu Jul 29 18:34:08 2021 +0530

README.txt file added

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git checkout css-assignments

Switched to branch 'css-assignments'

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (css-assignments)

$ git log

commit f130481d14595dd5f2917a181803932b67e897b8 (HEAD -> css-assignments)

Author: Utsav Kumar <utsavkumar9920@gmail.com>

Date: Thu Jul 29 18:54:29 2021 +0530

CSS Assignment is in progress

commit 39380ce7b67b7d962f5011c7386e6767edbf27db

Merge: 0e2523b f866e71

Author: Utsav Kumar <utsavkumar9920@gmail.com>

Date: Thu Jul 29 18:45:43 2021 +0530

Resolved Conflict

commit 0e2523b06cef147bf04726bee7e2987cfb344ef5

Author: Utsav Kumar <utsavkumar9920@gmail.com>

Date: Thu Jul 29 18:41:50 2021 +0530

README Updated

commit f866e715679abb974316a53002b252227911d531 (html-assignments)

Author: Utsav Kumar <utsavkumar9920@gmail.com>

Date: Thu Jul 29 18:39:07 2021 +0530

HTML Assignmet Done

commit c036022061ad0f4a50e4bf7a4c469441a5e1dd2f

Author: Utsav Kumar <utsavkumar9920@gmail.com>

Date: Thu Jul 29 18:37:35 2021 +0530

HTML Assignmet is getting done

commit c3ad18a831923700223762960c517db7ea91ccdd

Author: Utsav Kumar <utsavkumar9920@gmail.com>

Date: Thu Jul 29 18:34:08 2021 +0530

README.txt file added

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (css-assignments)

$ git add README.txt

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (css-assignments)

$ git commit -m "CSS Assignment completed"

[css-assignments f012deb] CSS Assignment completed

1 file changed, 3 insertions(+), 1 deletion(-)

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (css-assignments)

$ git checkout master

Switched to branch 'master'

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git merge css-assignments

Auto-merging README.txt

CONFLICT (content): Merge conflict in README.txt

Automatic merge failed; fix conflicts and then commit the result.

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master|MERGING)

$ git merge css-assignments

error: Merging is not possible because you have unmerged files.

hint: Fix them up in the work tree, and then use 'git add/rm <file>'

hint: as appropriate to mark resolution and make a commit.

fatal: Exiting because of an unresolved conflict.

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master|MERGING)

$ git add .

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master|MERGING)

$ git merge css-assignments

fatal: You have not concluded your merge (MERGE\_HEAD exists).

Please, commit your changes before you merge.

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master|MERGING)

$ git commit -m "README Updated"

[master da52157] README Updated

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git merge css-assignments

Already up to date.

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git branch

css-assignments

html-assignments

\* master

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git branch -d css-assignments

Deleted branch css-assignments (was f012deb).

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git branch

html-assignments

\* master

**Section 3 (1 to 14)**

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git branch js-assignments

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git branch

html-assignments

js-assignments

\* master

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git checkout js-assignments

Switched to branch 'js-assignments'

M README.txt

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (js-assignments)

$ git add README.txt

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (js-assignments)

$ git commit -m "README.txt file added in JS branch"

[js-assignments 874c4d3] README.txt file added in JS branch

1 file changed, 3 deletions(-)

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (js-assignments)

$ git branch -d html-assignments

Deleted branch html-assignments (was f866e71).

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (js-assignments)

$ git add README.txt

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (js-assignments)

$ git commit -m "JS Assignment "

[js-assignments 1134e3d] JS Assignment

1 file changed, 3 insertions(+), 1 deletion(-)

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (js-assignments)

$ git checkout master

Switched to branch 'master'

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git add README.txt

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git commit -m "JS Assignment "

[master eaff9f2] JS Assignment

1 file changed, 3 insertions(+), 3 deletions(-)

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git checkout js-assignments

Switched to branch 'js-assignments'

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (js-assignments)

$ git add README.txt

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (js-assignments)

$ git commit -m "JS Assignment Done "

[js-assignments 710fc75] JS Assignment Done

1 file changed, 4 insertions(+), 1 deletion(-)

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (js-assignments)

$ git checkout master

Switched to branch 'master'

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git merge js-assignments

Auto-merging README.txt

CONFLICT (content): Merge conflict in README.txt

Automatic merge failed; fix conflicts and then commit the result.

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master|MERGING)

$ git commit -m "Resolved Conflict"

error: Committing is not possible because you have unmerged files.

hint: Fix them up in the work tree, and then use 'git add/rm <file>'

hint: as appropriate to mark resolution and make a commit.

fatal: Exiting because of an unresolved conflict.

U README.txt

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master|MERGING)

$ git add .

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master|MERGING)

$ git commit -m "Resolved Conflict"

[master f4d9494] Resolved Conflict

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git merge js-assignments

Already up to date.

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git branch

js-assignments

\* master

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git branch -d js-assignments

Deleted branch js-assignments (was 710fc75).

Utsavkumar@LAPTOP-AHPUG9I9 MINGW64 ~/Assignments (master)

$ git branch

\* master

**Section 4(39 to 42)**

**A screenshot of a computer

Description automatically generated with medium confidenceA picture containing text, screenshot, computer, indoor

Description automatically generated**