

Question 1

Scenario 1:

```
C:\Windows\System32\cmd.exe X + v
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P:\New folder\cs639\HW 3>mkdir local

P:\New folder\cs639\HW 3>cd local

P:\New folder\cs639\HW 3\Local>git clone https://github.com/PreetRai/Remote.git
Cloning into 'Remote'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

P:\New folder\cs639\HW 3\Local>cd remote

P:\New folder\cs639\HW 3\Local\Remote>git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

P:\New folder\cs639\HW 3\Local\Remote>git
usage: git [-v | --version] [-h | --help] [-C <path>] [-c <name>=<value>]
[<command>] [<args>]
[<command>] [-<path>] [-<path>] [-<path>] [-<path>]
[-p | --paginate | -P | --no-pager] [--no-replace-objects] [--bare]
[<git-dir>=<path>] [<work-tree>=<path>] [--namespace=<name>]
[<super-prefix>=<path>] [--config-env=<name>=<envvar>]
[<command>] [<args>]

These are common Git commands used in various situations:

start a working area (see also: git help tutorial)
clone Clone a repository into a new directory
init Create an empty Git repository or reinitialize an existing one

work on the current change (see also: git help everyday)
add Add file contents to the index
mv Move or rename a file, a directory, or a symlink
restore Restore working tree files
rm Remove files from the working tree and from the index

examine the history and state (see also: git help revisions)
bisect Use binary search to find the commit that introduced a bug
diff Show changes between commits, commit and working tree, etc
grep Print lines matching a pattern
log Show commit logs
show Show various types of objects
status Show the working tree status

grow, mark and tweak your common history

show Show various types of objects
status Show the working tree status

grow, mark and tweak your common history
branch List, create, or delete branches
commit Record changes to the repository
merge Join two or more development histories together
rebase Reapply commits on top of another base tip
reset Reset current HEAD to the specified state
switch Switch branches
tag Create, list, delete or verify a tag object signed with GPG

collaborate (see also: git help workflows)
fetch Download objects and refs from another repository
pull Fetch from and integrate with another repository or a local branch
push Update remote refs along with associated objects

'git help -a' and 'git help -g' list available subcommands and some
concept guides. See 'git help <command>' or 'git help <concept>'
to read about a specific subcommand or concept.
See 'git help git' for an overview of the system.

P:\New folder\cs639\HW 3\Local\Remote>git log
commit 65f956180b2d899def503ac243ce4a2e13bf0f (HEAD -> main, origin/main, origin/HEAD)
Author: Prithvi Raimangya <prithviraimangya@gmail.com>
Date: Sat Oct 28 00:31:26 2023 -0400

    Create README.md

P:\New folder\cs639\HW 3\Local\Remote>https://github.com/PreetRai/Remote.git*5
```

Scenario 2:

```
C:\Windows\System32\cmd.exe
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P:\New folder\Remote>git status
On branch main
Your branch is up to date with 'origin/main'.

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:   README.md

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

P:\New folder\Remote>git status
On branch main
Your branch is up to date with 'origin/main'.

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:   README.md

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

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

P:\New folder\Remote>git add .

P:\New folder\Remote>git commit -m "add index.html and correct readme.md"
error: pathspec '-' did not match any file(s) known to git
error: pathspec 'm' did not match any file(s) known to git
error: pathspec 'add index.html and correct readme.md' did not match any file(s) known to git

P:\New folder\Remote>git commit -m "add index.html and correct readme.md"
[main b91e156] add index.html and correct readme.md
 2 files changed, 1 insertion(+)
 create mode 100644 index.html

P:\New folder\Remote>git remote
origin

P:\New folder\Remote>git remote show origin main
* remote origin
  Fetch URL: https://github.com/PreetRai/Remote.git
  Push URL: https://github.com/PreetRai/Remote.git
  HEAD branch: main
  Remote branch:
    main tracked

modified:   README.md

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

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

P:\New folder\Remote>git add .

P:\New folder\Remote>git commit -m "add index.html and correct readme.md"
error: pathspec '-' did not match any file(s) known to git
error: pathspec 'm' did not match any file(s) known to git
error: pathspec 'add index.html and correct readme.md' did not match any file(s) known to git

P:\New folder\Remote>git commit -m "add index.html and correct readme.md"
[main b91e156] add index.html and correct readme.md
 2 files changed, 1 insertion(+)
 create mode 100644 index.html

P:\New folder\Remote>git remote
origin

P:\New folder\Remote>git remote show origin main
* remote origin
  Fetch URL: https://github.com/PreetRai/Remote.git
  Push URL: https://github.com/PreetRai/Remote.git
  HEAD branch: main
  Remote branch:
    main tracked
  Local branch configured for 'git pull':
    main merges with remote main
  Local ref configured for 'git push':
    main pushes to main (fast-forwardable)
fatal: 'main' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

P:\New folder\Remote>git push origin main
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 335 bytes | 335.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/PreetRai/Remote.git
  65f9561..b91e156  main -> main

P:\New folder\Remote>
```

Git Log:

```
P:\New folder\Remote>git log
commit b91e156962fe19ce921a89b0ac375a92edc6de64 (HEAD -> main, origin/main, origin/HEAD)
Author: PreetRai <prithviraimangya@gmail.com>
Date: Sat Oct 28 00:48:37 2023 -0400

    add index.html and correct readme.md

commit 65f9561c0bb2d899def503ac243ce4a2e13bfc0f
Author: Prithvi Raimangya <prithviraimangya@gmail.com>
Date: Sat Oct 28 00:31:26 2023 -0400

    Create README.md
```

Question 2:

```
Microsoft Windows [Version 10.0.22621.2506]
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```

```
P:\New folder>mkdir scenarioA
```

```
P:\New folder>cd scenarioA
```

```
P:\New folder\scenarioA>gitinit
'gitinit' is not recognized as an internal or external command,
operable program or batch file.
```

```
P:\New folder\scenarioA>git init
Initialized empty Git repository in P:/New folder/scenarioA/.git/
```

```
P:\New folder\scenarioA>git add.
git: 'add.' is not a git command. See 'git --help'.
```

```
The most similar command is
    add
```

```
P:\New folder\scenarioA>git add .
```

```
P:\New folder\scenarioA>git commit -m "init"
[master (root-commit) c153ae1] init
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 ReadMe.md
```

```
P:\New folder\scenarioA>git branch prithviraimangya-develop
```

```
P:\New folder\scenarioA>git checkout prithviraimangya-develop
Switched to branch 'prithviraimangya-develop'
```

```
P:\New folder\scenarioA>echo Some text > firstname.txt
```

```
P:\New folder\scenarioA>git add firstname.txt
```

```
P:\New folder\scenarioA>git commit -m "Add firstname.txt with some text"
[prithviraimangya-develop c41c135] Add firstname.txt with some text
 1 file changed, 1 insertion(+)
 create mode 100644 firstname.txt
```

```
P:\New folder\scenarioA>git push -u origin prithviraimangya-develop
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 16 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (6/6), 491 bytes | 491.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'prithviraimangya-develop' on GitHub by visiting:
remote:   https://github.com/PreetRai/Remote/pull/new/prithviraimangya-develop
remote:
To https://github.com/PreetRai/Remote.git
 * [new branch]      prithviraimangya-develop -> prithviraimangya-develop
branch 'prithviraimangya-develop' set up to track 'origin/prithviraimangya-develop'.
```

Question 3:

```
C:\Windows\System32\cmd.exe
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P:\New folder>mkdir ScenarioB
P:\New folder>cd ScenarioB

P:\New folder\ScenarioB>git clone https://github.com/scharffc/projectdemo.git
Cloning into 'projectdemo'...
remote: Enumerating objects: 329, done.
remote: Counting objects: 100% (186/186), done.
remote: Compressing objects: 100% (87/87), done.
remote: Total 329 (delta 189), reused 327 (delta 83), pack-reused 143
Receiving objects: 100% (329/329), 57.53 MiB | 2.61 MiB/s, done.
Resolving deltas: 100% (113/113), done.

P:\New folder\ScenarioB>cd projectdemo
P:\New folder\ScenarioB\projectdemo>git branch prithviraimangya-scenariob
P:\New folder\ScenarioB\projectdemo>echo Some text > firstname.txt
P:\New folder\ScenarioB\projectdemo>git add firstname.txt
P:\New folder\ScenarioB\projectdemo>git commit -m "Add firstname.txt with some text"
[main 98389ca] Add firstname.txt with some text
1 file changed, 1 insertion(+)
create mode 100644 firstname.txt
P:\New folder\ScenarioB\projectdemo>git push origin prithviraimangya-scenariob
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote: This repository moved. Please use the new location:
remote:   https://github.com/scharffc/projectdemosupdeco.git
remote:
remote: Create a pull request for 'prithviraimangya-scenariob' on GitHub by visiting:
remote:   https://github.com/scharffc/projectdemosupdeco/pull/new/prithviraimangya-scenariob
remote:
To https://github.com/scharffc/projectdemo.git
 * [new branch]      prithviraimangya-scenariob -> prithviraimangya-scenariob
P:\New folder\ScenarioB\projectdemo>
```