Installing Git
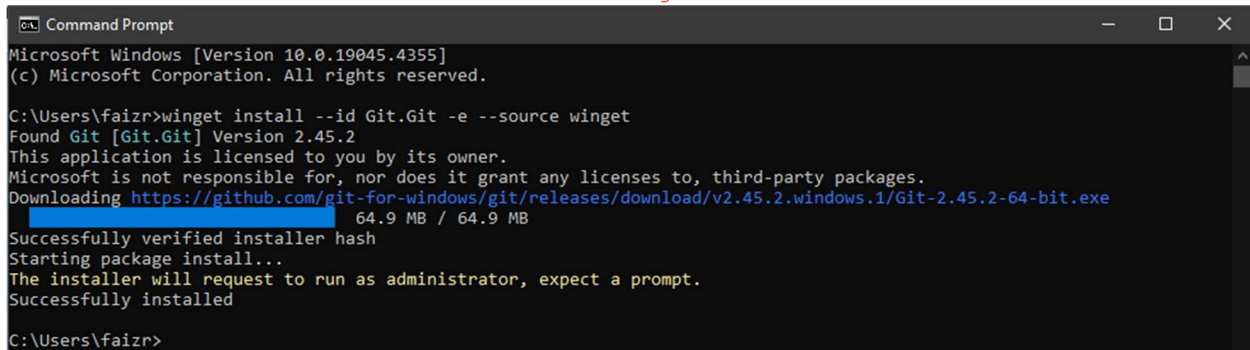
Type the below command in cmd, the installation is start automatically.

`winget install --id Git.Git -e --source winget`

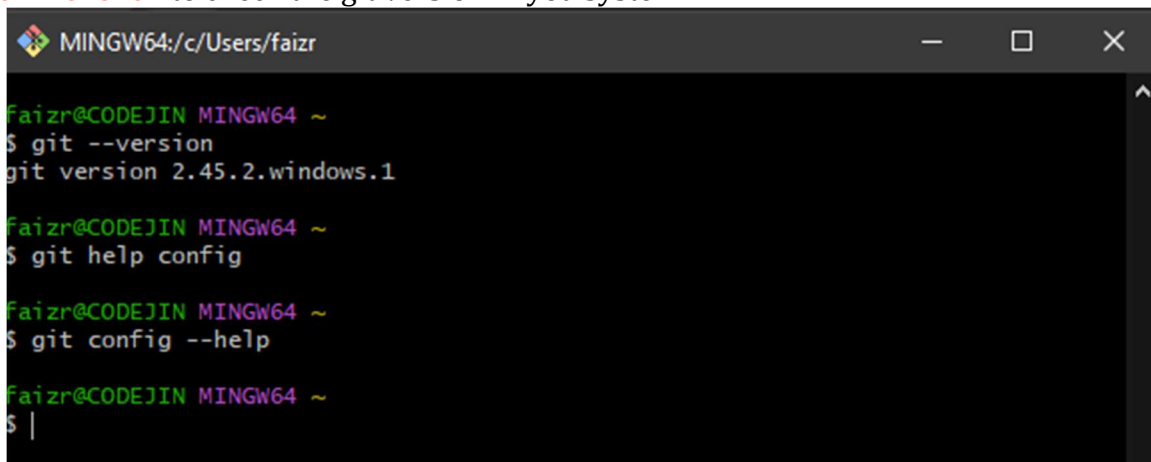# Check Git Version

Type `git –version` to check the git version in you system
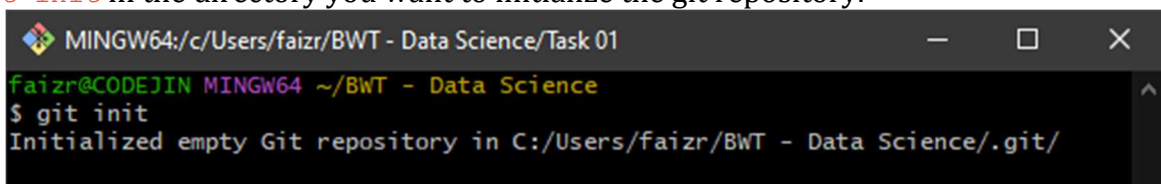
Initiate Git repository

Type `git init` in the directory you want to initialize the git repository.
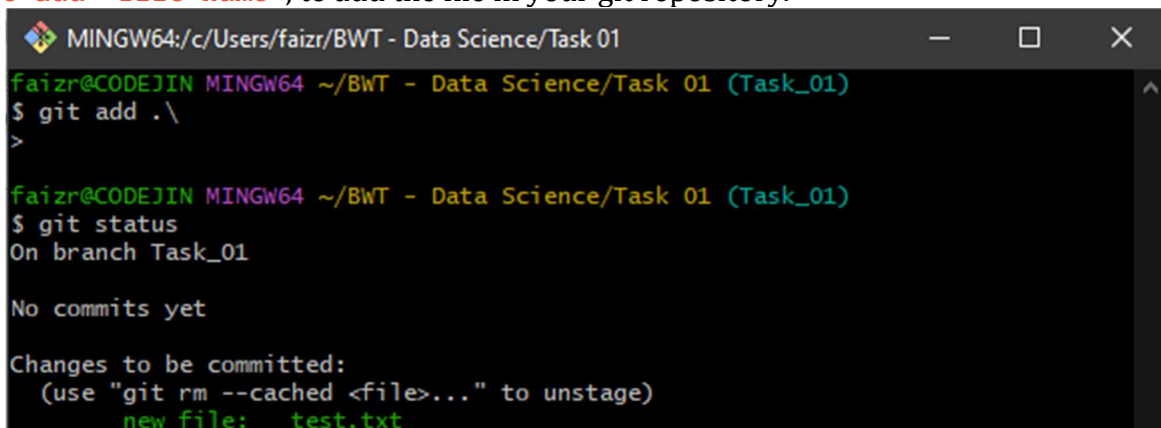
Add Files

Type `git add "file name"`, to add the file in your git repository.

Commit

Type `git commit –m "your message"`, to add the commit in your repository.

Extra Mile

Git is the version control, it helps to tract the version, track the changing made, track the changing made by who, helps to collaborate in coding work space.

Help

Type `git config –help`, it'll show you how the current code work, how you can use.

git-config(1) Manual Page

NAME

git-config - Get and set repository or global options

SYNOPSIS

git config [<file-option>] [--type=<type>] [--comment=<message>] [--fixed-value] [--show-origin] [--show-scope] [-z|--null] <name> [<value> [<value-pattern>]]

git config [<file-option>] [--type=<type>] [--comment=<message>] --add <name> <value>

git config [<file-option>] [--type=<type>] [--comment=<message>] [--fixed-value] --replace-all <name> <value> [<value-pattern>]

git config [<file-option>] [--type=<type>] [--show-origin] [--show-scope] [-z|--null] [--fixed-value] --get <name> [<value-pattern>]

git config [<file-option>] [--type=<type>] [--show-origin] [--show-scope] [-z|--null] [--fixed-value] --get-all <name>
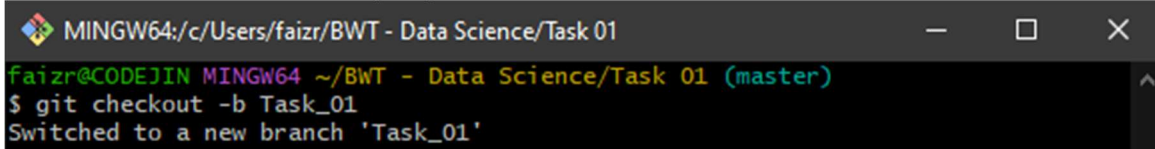
Branches

When we initiate the git repository, it by default creates a master branch. But suppose you have to create such a workflow, that you can't rely on just the master branch, you need more child branches, as shown in the figure.

- Here B and C are children of A
- Here D and E are children of B
- Here E and F are children of C
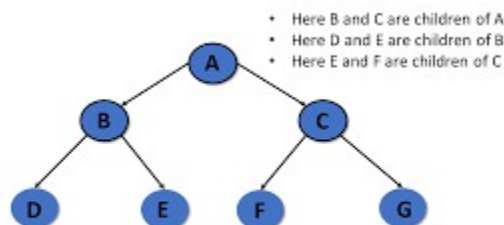
To create a child branch inside the master branch, you need to have subdirectory and then we can create a child branch.
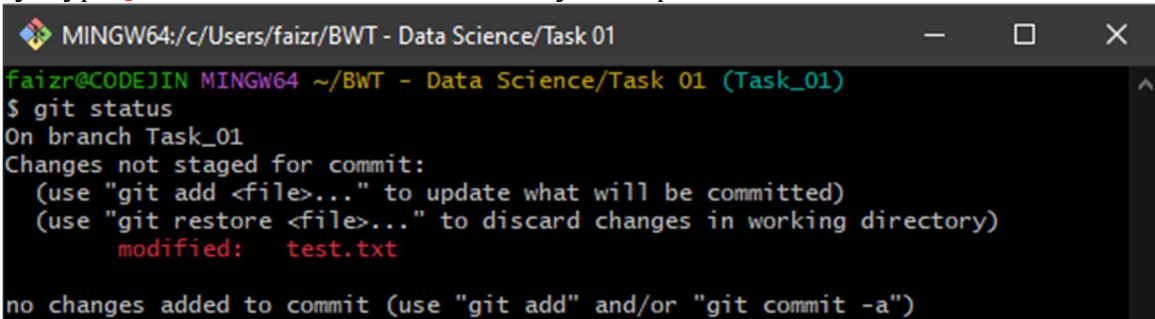
Type `git checkout – b "branch name"`, to create the child branch. Branches helps us to create a hierarchy of out architecture of the program.

Git Status

Git status shows us after initiating the repo, what new files, changes made in the repository, it shows with red text, that things are changed and green shows that the changes have been added to the repository. Type `git status` to see the status of your repo.
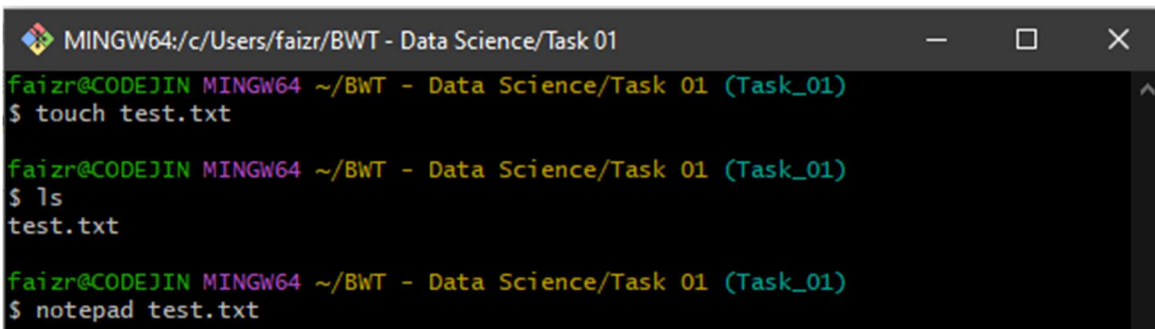

Creating/Opening File

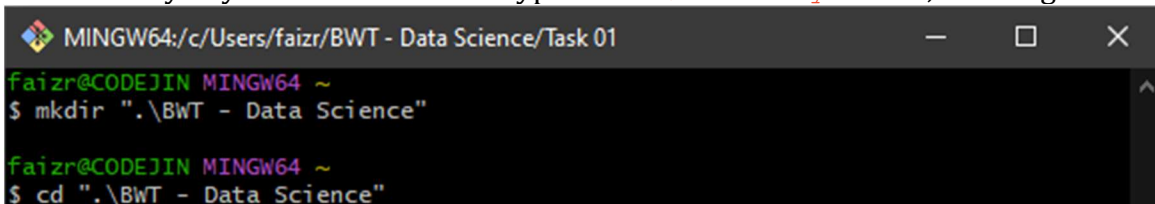Type `touch "filename.extention"`, to create a file/notepad. To open the file type `notepad "filename.extention"`.

Basic Commands

Type `dir` or `ls` to see the list of directory in your current folder. Type `mkdir "directory name"`, to create a new directoy in your current folder. Type `cd ".\directory name"`, to change the directory.