# UCS 537: SOURCE CODE MANAGEMENT

## THAPAR UNIVERSITY, PATIALA

NAME: YOGESH MODI

COE: 27

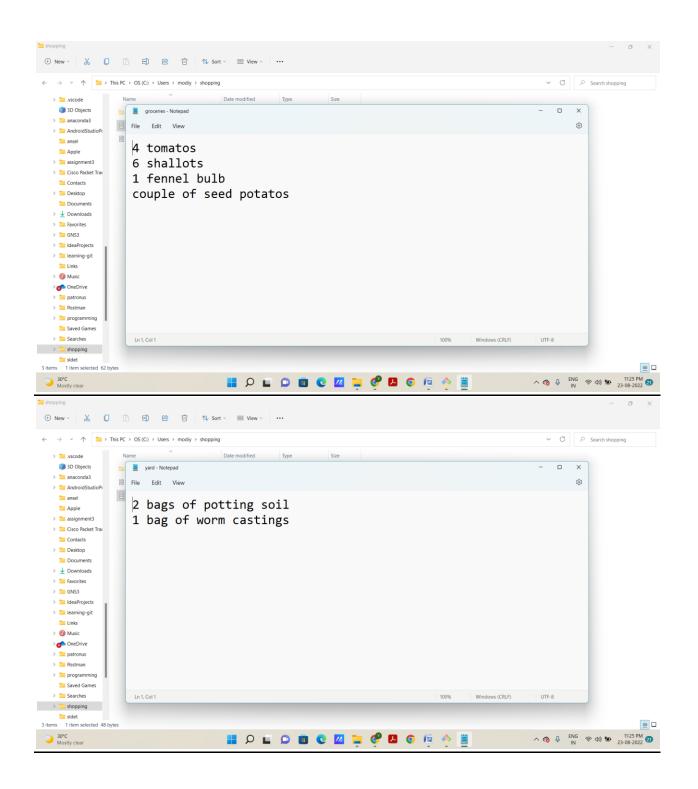
ROLL NO:-102003682

SUBMITTED TO:
DR. ANAMIKA SHARMA

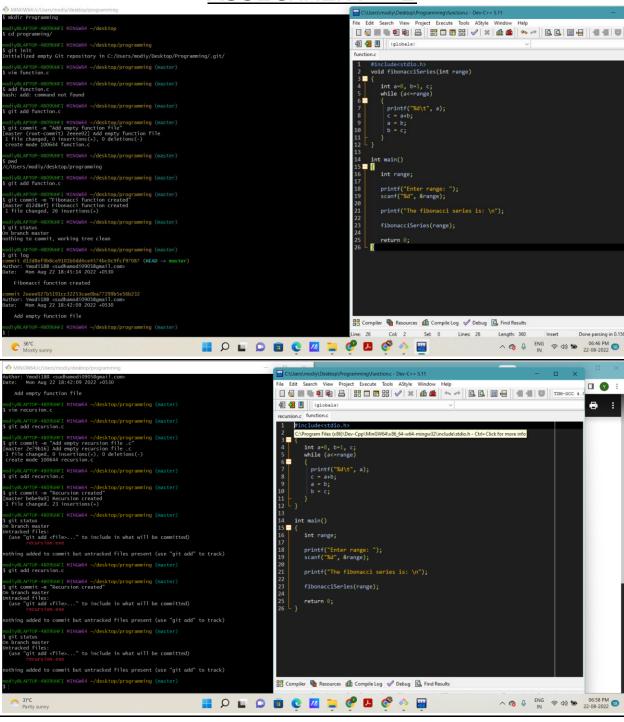
SUBMITTED ON: - 23-08-2022

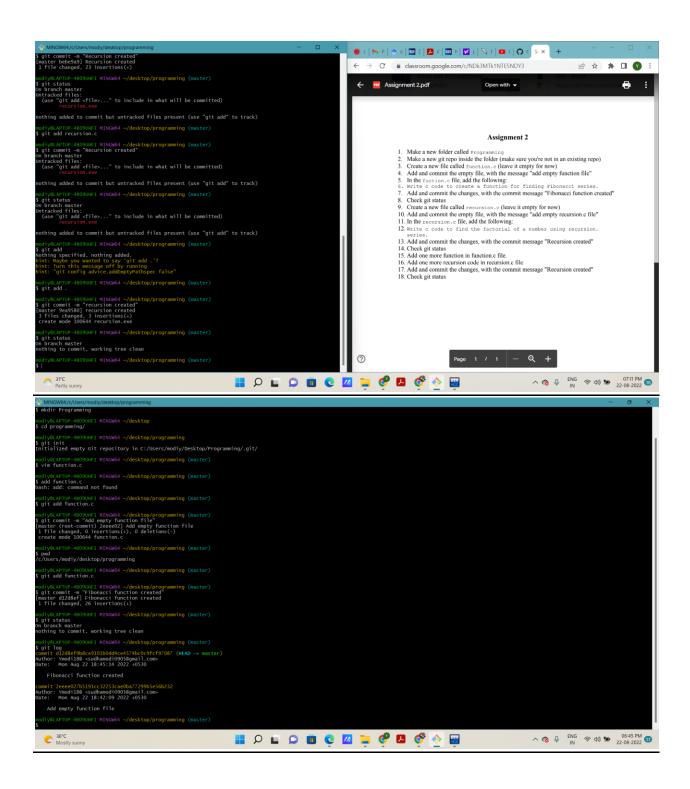
### ASSIGNMENT-1

```
modiy@LAPTOP-4B09UHFI MINGW64 ~
$ cd shopping/
modiy@LAPTOP-4B09UHFI MINGW64 ~/shopping
$ git init
Initialized empty Git repository in C:/Users/modiy/shopping/.git/
modiy@LAPTOP-4B09UHFI MINGW64 ~/shopping (master)
$ touch yard.txt
modiy@LAPTOP-4B09UHFI MINGW64 ~/shopping (master)
$ touch groceries.txt
modiy@LAPTOP-4B09UHFI MINGW64 ~/shopping (master)
$ git add.
modiy@LAPTOP-4B09UHFI MINGW64 ~/shopping (master)
$ git status
On branch master
No commits yet
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
          new file:
                          groceries.txt
          new file:
                          yard.txt
modiy@LAPTOP-4B09UHFI MINGW64 ~/shopping (master)
$ git commit -m "create yard and groceries"
[master (root-commit) 5a342d0] create yard and groceries
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 groceries.txt
create mode 100644 yard.txt
modiy@LAPTOP-4B09UHFI MINGW64 ~/shopping (master)
$ git add .
modiy@LAPTOP-4B09UHFI MINGW64 ~/shopping (master)
$ git commit -m"add ingrediedents for tomato sooup'
modiy@LAPTOP-4B09UHFI MINGW64 ~/shopping (master)
$ git commit -m"add ingrediedents for tomato sooup" [master 5e0ed09] add ingrediedents for tomato sooup
 2 files changed, 5 insertions(+)
modiy@LAPTOP-4B09UHFI MINGW64 ~/shopping (master)
$ git add .
modiy@LAPTOP-4B09UHFI MINGW64 ~/shopping (master)
$ git commit -m "add items needed to grow potatos
> \(\bar{\cap}\)C
modiy@LAPTOP-4B09UHFI MINGW64 ~/shopping (master)
$ git commit -m "add items needed to grow potatos"
[master 1c7d6fd] add items needed to grow potatos
2 files changed, 3 insertions(+), 2 deletions(-)
modiy@LAPTOP-4B09UHFI MINGW64 ~/shopping (master)
```



### ASSIGNMENT -2





#### **ASSIGNMENT-3**

```
modiy@LAPTOP-4B09UHFI MINGW64 ~
$ $pwd
modiy@LAPTOP-4B09UHFI MINGW64 ~
$ mkdir patronus
mkdir: cannot create directory 'patronus': File exists
modiy@LAPTOP-4B09UHFI MINGW64 ~
$ mkdir assignment3
modiy@LAPTOP-4B09UHFI MINGW64 ~
$ cd assignment3/
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3
$ 1s -a
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3
$ $ git init
bash: $: command not found
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3
$ git init
Initialized empty Git repository in C:/Users/modiy/assignment3/.git/
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (master)
$ 1s -a
                      .git/
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (master)
$ touch patronous.txt
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (master)
$ git add patronous.txt
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (master)
$ git commit -m "Add empty patronus file"
[master (root-commit) f351ecd] Add empty patronus file
1 file changed, 0 insertions(+), 0 deletions(-)
  create mode 100644 patronous.txt
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (master)
$ git status
On branch master
nothing to commit, working tree clean
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (master)
$ git log
commit f351ecd1f1632849d274b221e7644437bd9f78cd (HEAD -> master)
Author: Ymodi18@ <sudhamodi0905@gmail.com>
                    Tue Aug 23 22:49:20 2022 +0530
Date:
          Add empty patronus file
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (master)
$ git branch harry
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (master)
$ git branch harry * master snape usage: git branch [<options>] [-r | -a] [--merged] [--no-merged] or: git branch [<options>] [-f] [--recurse-submodules] <br/>
| coptions | cop
point>]
       or: git branch [<options>] [-]] [<pattern>...]
or: git branch [<options>] [-r] (-d | -D) <branch-name>...
or: git branch [<options>] (-m | -M) [<old-branch>] <new-branch>
or: git branch [<options>] (-c | -C) [<old-branch>] <new-branch>
or: git branch [<options>] [-r | -a] [--points-at]
```

```
or: git branch [<options>] [-r | -a] [--format]
Generic options
    -v, --verbose
-q, --quiet_
                             show hash and subject, give twice for upstream branch suppress informational messages
    -t, --track[=(direct|inherit)]
                              set branch tracking configuration
    -u, --set-upstream-to <upstream>
                             change the upstream info
unset the upstream info
    --unset-upstream
    --color[=<when>]
                              use colored output
                              act on remote-tracking branches
    -r, --remotes
    --contains <commit>
                              print only branches that contain the commit
    --no-contains <commit>
                              print only branches that don't contain the commit
    --abbrev[=<n>]
                              use <n> digits to display object names
Specific git-branch actions:
    -a, --all
                              list both remote-tracking and local branches
                              delete fully merged branch
    -d, --delete
                              delete branch (even if not merged)
    -D
                              move/rename a branch and its reflog
    -m, --move
                             move/rename a branch, even if target exists copy a branch and its reflog
    -M
    -c, --copy
                              copy a branch, even if target exists list branch names
    -C
    -1, --list
                              show current branch name
    --show-current
    --create-reflog
                              create the branch's reflog
    --edit-description
                              edit the description for the branch
                             force creation, move/rename, deletion print only branches that are merged print only branches that are not merged
    -f, --force
    --merged <commit>
    --no-merged <commit>
--column[=<style>]
                              list branches in columns
field name to sort on
    --sort <key>
                              print only branches of the object
    --points-at <object>
                             sorting and filtering are case insensitive recurse through submodules
    -i, --ignore-case
    --recurse-submodules
    --format <format>
                              format to use for the output
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (master)
$ git branch
  harry
* master
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (master)
$ git branch
  harry
* master
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (master)
$ git switch harry
Switched to branch 'harry'
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (harry)
$ git status
On branch harry
nothing to commit, working tree clean
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (harry)
$ git log
commit f351ecd1f1632849d274b221e7644437bd9f78cd (HEAD -> harry, master)
Author: Ymodi18@ <sudhamodi0905@gmail.com>
         Tue Aug 23 22:49:20 2022 +0530
    Add empty patronus file
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (harry)
$ git status
On branch harry
nothing to commit, working tree clean
```

```
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (harry)
$ pwd
/c/Users/modiy/assignment3
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (harry)
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (harry)
$ git status
On branch harry
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: patronous.txt
no changes added to commit (use "git add" and/or "git commit -a")
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (harry)
$ git add patronus.txt
fatal: pathspec 'patronus.txt' did not match any files
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (harry)
$ git add patronous.txt
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (harry)
$ git commit -m "Add harrys stag patronous"
[harry 2a4de94] Add harrys stag patronous
 1 file changed, 1 insertion(+)
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (harry)
$ git log
commit 2a4de94b4088de253f60797bb8f84663c2574795 (HEAD -> harry)
Author: Ymodi18@ <sudhamodi0905@gmail.com>
         Tue Aug 23 22:57:50 2022 +0530
Date:
    Add harrys stag patronous
commit f351ecd1f1632849d274b221e7644437bd9f78cd (master)
Author: Ymodi18@ <sudhamodi0905@gmail.com>
         Tue Aug 23 22:49:20 2022 +0530
Date:
    Add empty patronus file
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (harry)
$ git checkout master
Switched to branch 'master'
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (master)
$ git switch snape
fatal: invalid reference: snape
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (master)
$ git branch snape
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (master)
$ git branch
  harry
* master
  snape
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (master)
$ git switch snape
Switched to branch 'snape'
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (snape)
$ git status
On branch snape
nothing to commit, working tree clean
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (snape)
$ git status
On branch snape
```

```
no changes added to commit (use "git add" and/or "git commit -a")
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (snape)
$ git add patronous.txt
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (snape)
git commit -m "add snape's doe patronous'
[snape 997d900] add snape's doe patronous
1 file changed, 1 insertion(+)
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (snape)
$ git log
commit 997d900e1c1fb798d539398747fbabde9472fd09 (HEAD -> snape)
Author: Ymodi18@ <sudhamodi0905@gmail.com>
        Tue Aug 23 23:01:05 2022 +0530
Date:
    add snape's doe patronous
commit f351ecd1f1632849d274b221e7644437bd9f78cd (master)
Author: Ymodi18@ <sudhamodi0905@gmail.com>
        Tue Aug 23 22:49:20 2022 +0530
Date:
    Add empty patronus file
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (snape)
$ git branch lilly
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (snape)
$ git branch
  harry
  1i11y
  master
* snape
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (snape)
$ git status
On branch snape
nothing to commit, working tree clean
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (snape)
$ git log
commit 997d900e1c1fb798d539398747fbabde9472fd09 (HEAD -> snape, lilly)
Author: Ymodi18@ <sudhamodi0905@gmail.com>
Date: Tue Aug 23 23:01:05 2022 +0530
    add snape's doe patronous
commit f351ecd1f1632849d274b221e7644437bd9f78cd (master)
Author: Ymodi18@ <sudhamodi0905@gmail.com>
Date: Tue Aug 23 22:49:20 2022 +0530
    Add empty patronus file
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (snape)
$ git switch lilly
Switched to branch 'lilly'
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (1illy)
$ git switch master
Switched to branch 'master'
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (master)
$ git switch lilly
Switched to branch 'lilly'
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (1illy)
$ git add patronous.txt
```

```
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (1illy)
$ git commit -m "Add lily,s doe patronous"
On branch lilly
nothing to commit, working tree clean
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (1illy)
commit 997d900e1c1fb798d539398747fbabde9472fd09 (HEAD -> lilly, snape)
Author: Ymodi18@ <sudhamodi0905@gmail.com>
         Tue Aug 23 23:01:05 2022 +0530
Date:
    add snape's doe patronous
commit f351ecd1f1632849d274b221e7644437bd9f78cd (master)
Author: Ymodi18@ <sudhamodi0905@gmail.com>
         Tue Aug 23 22:49:20 2022 +0530
Date:
    Add empty patronus file
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (1illy)
$ git branch
  ĥarry
  lilly
  master
  snape
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (1illy)
$ git branch -d snape
Deleted branch snape (was 997d900).
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (1illy)
$ git branch
  harry
* 1i11y
  master
modiy@LAPTOP-4B09UHFI MINGW64 ~/assignment3 (1illy)
```

#### **ASSIGNMENT-4**