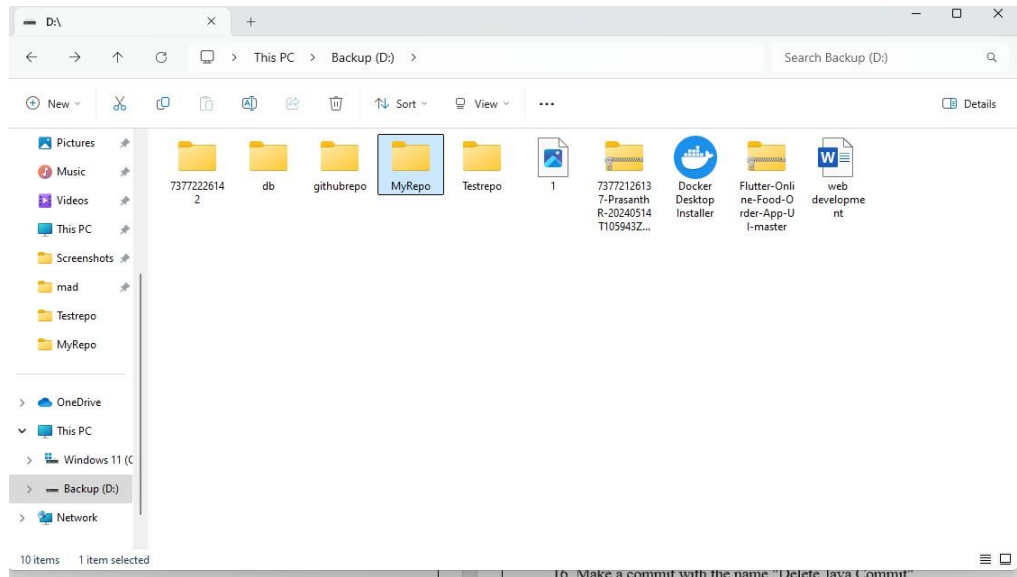**NAME:** HARIHARAN T

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DEPARTMENT: COMPUTER SCIENCE AND ENGINEERING

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ASSIGNMENT(GIT)
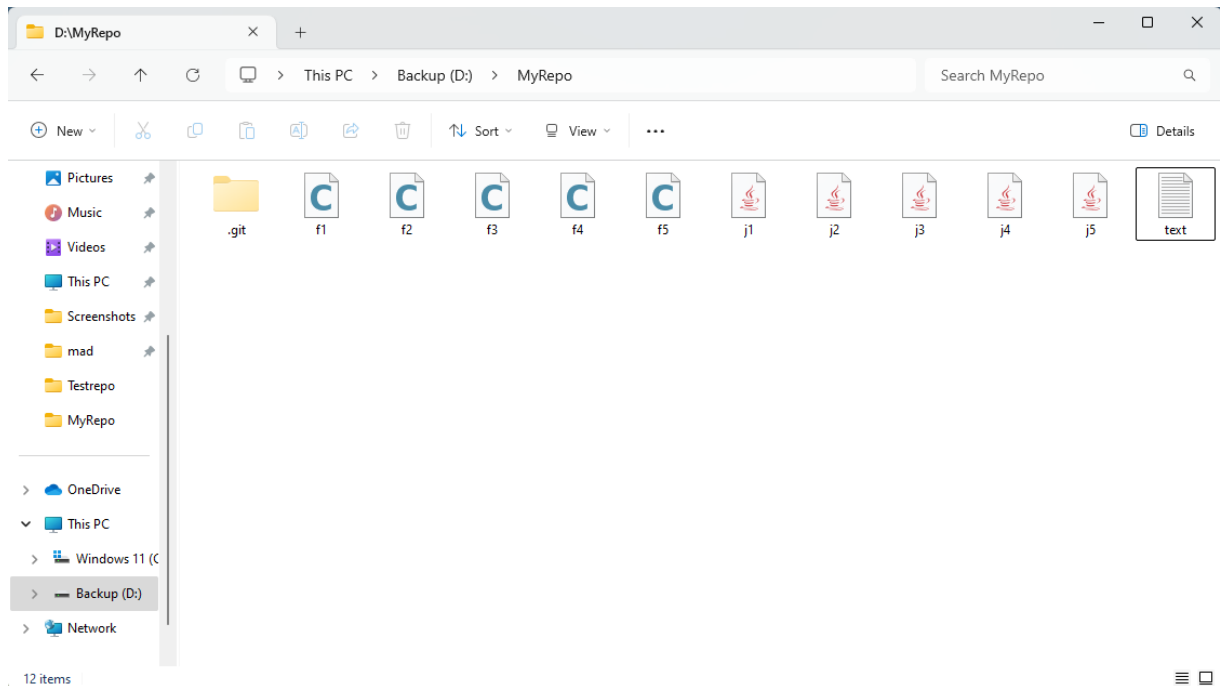
1. Create a local git repo with the name "MyRepo".

Here we are initializing the empty git repository

2. create one .txt file, five .c files and five .java files in the working area.

3. Verify the git status

4. Add only the .txt into the staging area

To move a file into a staging area we use "git add (filename)".

```
D:\MyRepo>git add text.txt

D:\MyRepo>
```

5. verify the git status

```
D:\MyRepo>git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   text.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        f1.c
        f2.c
        f3.c
        f4.c
        f5.c
        j1.java
        j2.java
        j3.java
        j4.java
        j5.java
```

6. Make a commit with the name "TXT Commit"

To commit we use "git commit -m (message)".

```
D:\MyRepo>git commit -m "TXT commit"
[master (root-commit) 23c128c] TXT commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 text.txt

D:\MyRepo>
```

7. Add all .c files into the staging area

```
D:\MyRepo>git add *.c

D:\MyRepo>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   f1.c
        new file:   f2.c
        new file:   f3.c
        new file:   f4.c
        new file:   f5.c

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        j1.java
        j2.java
        j3.java
        j4.java
        j5.java
```

8. verify the git status

```
D:\MyRepo>git add *.c

D:\MyRepo>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   f1.c
        new file:   f2.c
        new file:   f3.c
        new file:   f4.c
        new file:   f5.c

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        j1.java
        j2.java
        j3.java
        j4.java
        j5.java
```

9. Make a commit with the name "C Commit"

```
D:\MyRepo>git add *.c

D:\MyRepo>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   f1.c
        new file:   f2.c
        new file:   f3.c
        new file:   f4.c
        new file:   f5.c

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        j1.java
        j2.java
        j3.java
        j4.java
        j5.java

D:\MyRepo>git commit -m "C Commit"
[master 6c77c58] C Commit
 5 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 f1.c
 create mode 100644 f2.c
 create mode 100644 f3.c
 create mode 100644 f4.c
 create mode 100644 f5.c
```

10. Add all .java files into the staging area

```
D:\MyRepo>git add *.java

D:\MyRepo>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   j1.java
        new file:   j2.java
        new file:   j3.java
        new file:   j4.java
        new file:   j5.java
```

11. verify the git status

```
D:\MyRepo>git add *.java

D:\MyRepo>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   j1.java
        new file:   j2.java
        new file:   j3.java
        new file:   j4.java
        new file:   j5.java
```
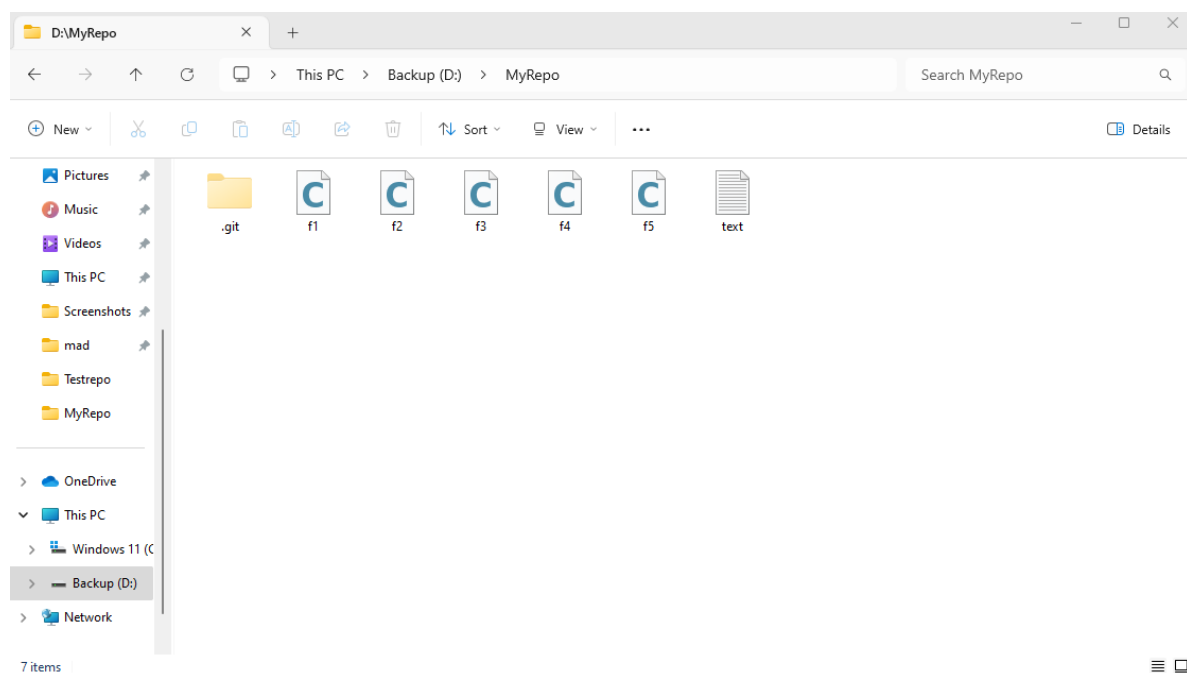
12. Make a commit with the name "Java Commit"

```
D:\MyRepo>git add *.java

D:\MyRepo>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   j1.java
        new file:   j2.java
        new file:   j3.java
        new file:   j4.java
        new file:   j5.java


D:\MyRepo>git commit -m "Java Commit"
[master db110e4] Java Commit
 5 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 j1.java
 create mode 100644 j2.java
 create mode 100644 j3.java
 create mode 100644 j4.java
 create mode 100644 j5.java
```

13. Delete all .java files from working area

14. Now see the status

```
D:\MyRepo>git commit -m "Java Commit"
[master db110e4] Java Commit
 5 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 j1.java
 create mode 100644 j2.java
 create mode 100644 j3.java
 create mode 100644 j4.java
 create mode 100644 j5.java

D:\MyRepo>git status
On branch master
Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        deleted:    j1.java
        deleted:    j2.java
        deleted:    j3.java
        deleted:    j4.java
        deleted:    j5.java

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

D:\MyRepo>
```

15. add the changes into the staging area

```
D:\MyRepo>git add -A

D:\MyRepo>git commit -m "Delete Java Commit"
[master 1d91723] Delete Java Commit
 5 files changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 j1.java
 delete mode 100644 j2.java
 delete mode 100644 j3.java
 delete mode 100644 j4.java
 delete mode 100644 j5.java
```

16. Make a commit with the name "Delete Java Commit"

```
D:\MyRepo>git add -A

D:\MyRepo>git commit -m "Delete Java Commit"
[master 1d91723] Delete Java Commit
 5 files changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 j1.java
 delete mode 100644 j2.java
 delete mode 100644 j3.java
 delete mode 100644 j4.java
 delete mode 100644 j5.java
```

17. display all commit details

```
D:\MyRepo>git log
commit 1d917230b3901c9fa56564415eb39b04ba4d01a2 (HEAD -> master)
Author: kirthivashan <vkvashan24@gmail.com>
Date:   Fri Jul 12 10:08:10 2024 +0530

    Delete Java Commit

commit db110e45c94b7ff8d541a04cb973aaebfe0d2c9c
Author: kirthivashan <vkvashan24@gmail.com>
Date:   Fri Jul 12 09:39:34 2024 +0530

    Java Commit

commit 6c77c58eb564b578b5458b8fe9d6d45dcdfc9ccc
Author: kirthivashan <vkvashan24@gmail.com>
Date:   Fri Jul 12 09:36:02 2024 +0530

    C Commit

commit 23c128c3dedc81ac773621f623de6b8abe5183bc
Author: kirthivashan <vkvashan24@gmail.com>
Date:   Fri Jul 12 09:31:55 2024 +0530

    TXT commit

D:\MyRepo>
```