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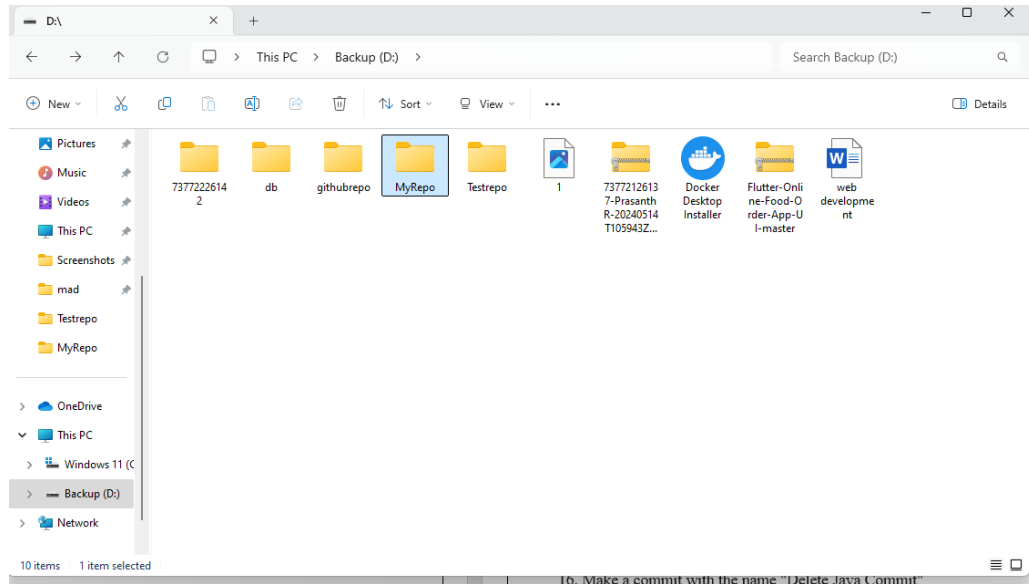
**REG NO:** 73772114158

**DEPARTMENT:** COMPUTER SCIENCE AND ENGINEERING

**COLLEGE:** K S RANGASAMY COLLEGE OF TECHNOLOGY

ASSIGNMENT(GIT)

1. Create a local git repo with the name "MyRepo".



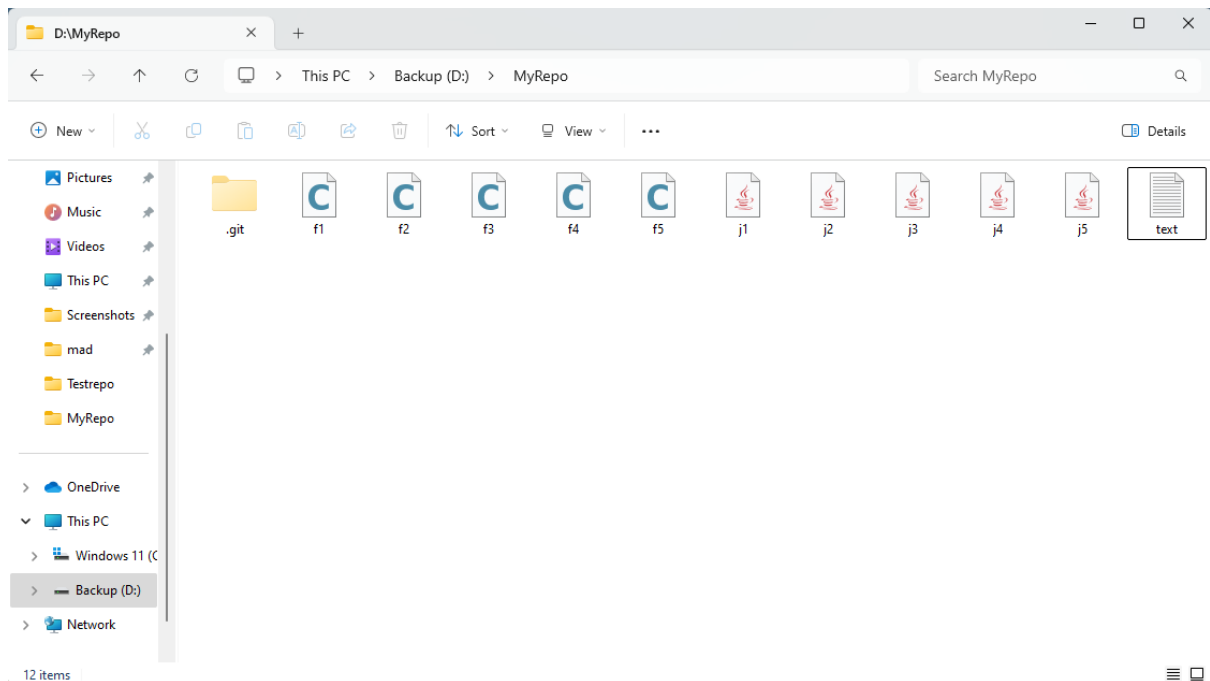
```
C:\Users\User>d:

D:\>cd MyRepo

D:\MyRepo>git init
Initialized empty Git repository in D:/MyRepo/.git/
```

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

```
Git CMD
j2.java
j3.java
j4.java
j5.java
text.txt.txt

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

D:\MyRepo>git status
On branch master

No commits yet

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
    text.txt

nothing added to commit but untracked files present (use "git add" to track)
D:\MyRepo>
```

#### 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
```

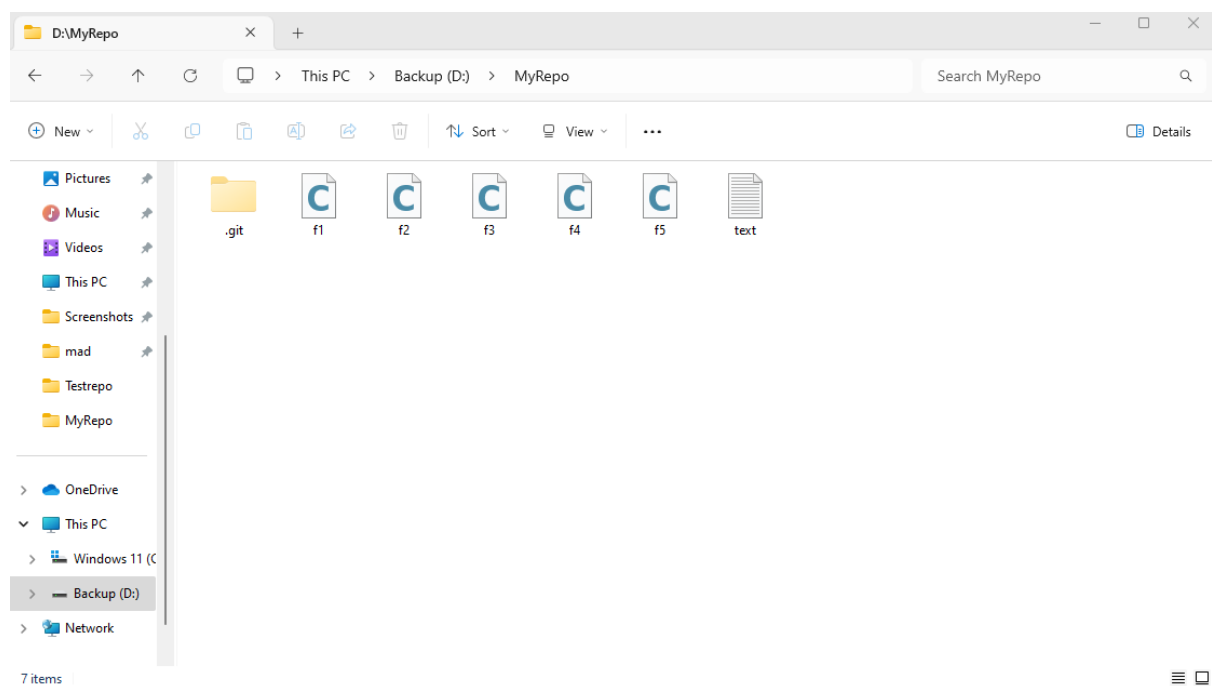
## 12. Make a commit with the name "Java Commit"

```
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 6c77c58eb564b578b5458b8fe9d6d45dcd9c9ccc
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>
```