

StudentID: R00201303

Name: Laiba Asif

Lab_Group: SD3A

Task1:

```
MINGW64:/c/Users/asif/SD3_A_GitAsses_23

asifl@DESKTOP-FBNJN0G MINGW64 /
$ cd

asifl@DESKTOP-FBNJN0G MINGW64 ~
$ mkdir SD3_A_GitAsses_23

asifl@DESKTOP-FBNJN0G MINGW64 ~
$ cd SD3_A_GitAsses_23

asifl@DESKTOP-FBNJN0G MINGW64 ~/SD3_A_GitAsses_23
$ git init
Initialized empty Git repository in C:/Users/asif/SD3_A_GitAsses_23/.git/

asifl@DESKTOP-FBNJN0G MINGW64 ~/SD3_A_GitAsses_23 (master)
$ |
```

Task2:

```
asifl@DESKTOP-FBNJN0G MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git config --global user.name "Laiba Asif R00201303"

asifl@DESKTOP-FBNJN0G MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git config --global user.email "laiba.asif@mycit.ie"

asifl@DESKTOP-FBNJN0G MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git config user.name
Laiba Asif R00201303

asifl@DESKTOP-FBNJN0G MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git config user.email
laiba.asif@mycit.ie

asifl@DESKTOP-FBNJN0G MINGW64 ~/SD3_A_GitAsses_23 (master)
$ |
```

Task3:

```

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ touch lyrics.txt

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ head -n 2 SD3_A_SongData.txt > lyrics.txt

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git add lyrics.txt

```

Task4:

```

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git status
On branch master

No commits yet

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

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        SD3_A_SongData.txt

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ |

```

Task5:

```

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git commit -m "first message"
[master (root-commit) f582869] first message
 1 file changed, 2 insertions(+)
 create mode 100644 lyrics.txt

```

Task6:

```

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git log --oneline
f582869 (HEAD -> master) first message

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ |

```

Task7 & 8:

```

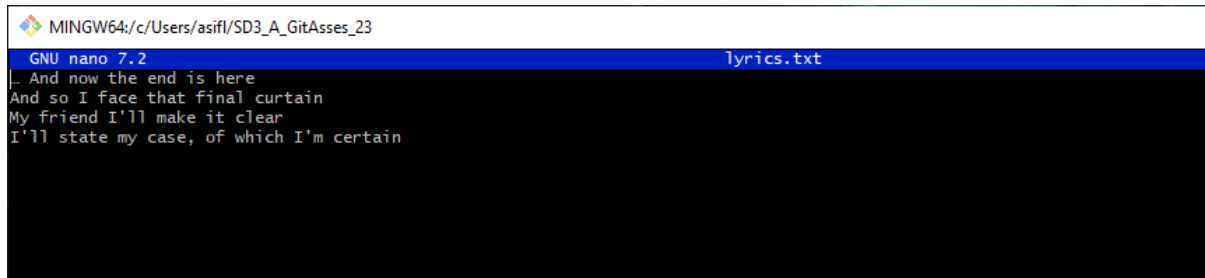
asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ nano lyrics.txt

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git add lyrics.txt

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git commit -m "2 more lines added to lyrics file"
[master 631ecd0] 2 more lines added to lyrics file
1 file changed, 2 insertions(+)

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ nano lyrics.txt

```



The screenshot shows a nano editor window with the title bar "MINGW64:/c/Users/asifl/SD3_A_GitAsses_23 lyrics.txt". The editor content is as follows:

```

GNU nano 7.2 lyrics.txt
└─ And now the end is here
And so I face that final curtain
My friend I'll make it clear
I'll state my case, of which I'm certain

```

Task9:

```

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git log --oneline
2744ce6 (HEAD -> master) again doing the same thing 2 more lines added to lyrics file
89c2021 extra 2 lines added to lyrics file
631ecd0 2 more lines added to lyrics file
f582869 first message

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git log
commit 2744ce6c3ad5f0d109d10e45badeb238f04f5478 (HEAD -> master)
Author: Laiba Asif R00201303 <laiba.asif@mycit.ie>
Date:   Wed Oct 18 14:26:53 2023 +0100

    again doing the same thing 2 more lines added to lyrics file

commit 89c20211dc7a56222103a14c8e012e456c9488c8
Author: Laiba Asif R00201303 <laiba.asif@mycit.ie>
Date:   Wed Oct 18 14:25:43 2023 +0100

    extra 2 lines added to lyrics file

commit 631ecd070b4076794985638d5a8d4b46b797ada1
Author: Laiba Asif R00201303 <laiba.asif@mycit.ie>
Date:   Wed Oct 18 14:22:57 2023 +0100

    2 more lines added to lyrics file

commit f58286995aac012829b6306863d8707e064c0f28
Author: Laiba Asif R00201303 <laiba.asif@mycit.ie>
Date:   Wed Oct 18 14:18:46 2023 +0100

    first message

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ |

```

Task10:

```
asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git branch extra_lines

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git checkout extra_lines
Switched to branch 'extra_lines'

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (extra_lines)
$ |
```

Task11:

```
asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git checkout extra_lines
Switched to branch 'extra_lines'

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (extra_lines)
$ nano lyrics.txt

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (extra_lines)
$ git add lyrics.txt

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (extra_lines)
$ git commit -m "4 more lines added to lyrics file"
[extra_lines 8744afa] 4 more lines added to lyrics file
1 file changed, 6 insertions(+)

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (extra_lines)
$ |
```

Task12:

```

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (extra_lines)
$ git checkout master
Switched to branch 'master'

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git merge extra_lines
Updating 2744ce6..8744afa
Fast-forward
 lyrics.txt | 6 +++++
 1 file changed, 6 insertions(+)

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git commit
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
      SD3_A_SongData.txt

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

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git add .

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git commit -m "merged changes from 'extra_lines' branch"
[master 16a68c0] merged changes from 'extra_lines' branch
 1 file changed, 30 insertions(+)
 create mode 100644 SD3_A_SongData.txt

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ |

```

Task13:

```

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ nano lyrics.txt

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git add lyrics.txt

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git commit -m "2 more lines added to lyrics file task 13"
[master 6138e65] 2 more lines added to lyrics file task 13
 1 file changed, 2 insertions(+), 1 deletion(-)

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ |

```

Task14:

```

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git log
commit 6138e655b60a821320e80c3b0185a76082762608 (HEAD -> master)
Author: Laiba Asif R00201303 <laiba.asif@mycit.ie>
Date: Wed Oct 18 14:40:44 2023 +0100

    2 more lines added to lyrics file task 13

commit 16a68c06a8956257091129151b1bb2850721b235
Author: Laiba Asif R00201303 <laiba.asif@mycit.ie>
Date: Wed Oct 18 14:38:25 2023 +0100

    merged changes from 'extra_lines' branch

commit 8744afab7e32abce95ca965121092cf3593760aa (extra_lines)
Author: Laiba Asif R00201303 <laiba.asif@mycit.ie>
Date: Wed Oct 18 14:34:32 2023 +0100

    4 more lines added to lyrics file

commit 2744ce6c3ad5f0d109d10e45badeb238f04f5478
Author: Laiba Asif R00201303 <laiba.asif@mycit.ie>
Date: Wed Oct 18 14:26:53 2023 +0100

    again doing the same thing 2 more lines added to lyrics file

commit 89c20211dc7a56222103a14c8e012e456c9488c8
Author: Laiba Asif R00201303 <laiba.asif@mycit.ie>
Date: Wed Oct 18 14:25:43 2023 +0100

    extra 2 lines added to lyrics file

commit 631ecd070b4076794985638d5a8d4b46b797ada1
Author: Laiba Asif R00201303 <laiba.asif@mycit.ie>
Date: Wed Oct 18 14:22:57 2023 +0100

    2 more lines added to lyrics file

commit f58286995aac012829b6306863d8707e064c0f28
Author: Laiba Asif R00201303 <laiba.asif@mycit.ie>
Date: Wed Oct 18 14:18:46 2023 +0100

    first message

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ ^C

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git diff f58286995aac012829b6306863d8707e064c0f28..631ecd
diff --git a/lyrics.txt b/lyrics.txt
index 45772d2..5abc1a8 100644
--- a/lyrics.txt
+++ b/lyrics.txt
@@ -1,2 +1,4 @@
... And now the end is here
And so I face that final curtain
+My friend I'll make it clear
+I'll state my case, of which I'm certain

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ |

```

Task15:

```

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ nano lyrics.txt

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git add lyrics.txt

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git commit -m "2 more lines added to lyrics file task 15"
[master ccc79f4] 2 more lines added to lyrics file task 15
1 file changed, 2 insertions(+)

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git stash save
No local changes to save

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git checkout ectra_lines
error: pathspec 'ectra_lines' did not match any file(s) known to git

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git checkout extra_lines
Switched to branch 'extra_lines'

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (extra_lines)
$ git stash apply
No stash entries found.

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (extra_lines)
$ |

```

Task16:

```

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (extra_lines)
$ git checkout master
Switched to branch 'master'

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git stash apply
No stash entries found.

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ nano lyrics.txt

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git add lyrics.txt

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git commit -m "nothing got change because no stash entries found"
On branch master
nothing to commit, working tree clean

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ |

```

Task17:

MINGW64:/c/Users/asif/SD3_A_GitAsses_23

```
asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git log
commit ccc79f4010678df17f8a4ed8bafc737228563069 (HEAD -> master)
Author: Laiba Asif R00201303 <laiba.asif@mycit.ie>
Date: Wed Oct 18 14:46:35 2023 +0100

    2 more lines added to lyrics file task 15

commit 6138e655b60a821320e80c3b0185a76082762608
Author: Laiba Asif R00201303 <laiba.asif@mycit.ie>
Date: Wed Oct 18 14:40:44 2023 +0100

    2 more lines added to lyrics file task 13

commit 16a68c06a8956257091129151b1bb2850721b235
Author: Laiba Asif R00201303 <laiba.asif@mycit.ie>
Date: Wed Oct 18 14:38:25 2023 +0100

    merged changes from 'extra_lines' branch

commit 8744afab7e32abce95ca965121092cf3593760aa (extra_lines)
Author: Laiba Asif R00201303 <laiba.asif@mycit.ie>
Date: Wed Oct 18 14:34:32 2023 +0100

    4 more lines added to lyrics file

commit 2744ce6c3ad5f0d109d10e45badeb238f04f5478
Author: Laiba Asif R00201303 <laiba.asif@mycit.ie>
Date: Wed Oct 18 14:26:53 2023 +0100

    again doing the same thing 2 more lines added to lyrics file

commit 89c20211dc7a56222103a14c8e012e456c9488c8
Author: Laiba Asif R00201303 <laiba.asif@mycit.ie>
Date: Wed Oct 18 14:25:43 2023 +0100

    extra 2 lines added to lyrics file

commit 631ecd070b4076794985638d5a8d4b46b797ada1
Author: Laiba Asif R00201303 <laiba.asif@mycit.ie>
Date: Wed Oct 18 14:22:57 2023 +0100

    2 more lines added to lyrics file

commit f58286995aac012829b6306863d8707e064c0f28
Author: Laiba Asif R00201303 <laiba.asif@mycit.ie>
Date: Wed Oct 18 14:18:46 2023 +0100

    first message

asifl@DESKTOP-FBNJNOG MINGW64 ~/SD3_A_GitAsses_23 (master)
$ cat lyrics.txt
... And now the end is here
And so I face that final curtain
My friend I'll make it clear
I'll state my case, of which I'm certain
I've lived a life that's full
I travelled each and every highway
And more, much more

I did it, I did it my way
... Regrets, I've had a few
But then again too few to mention
I did what I had to do
I saw it through without exemption
I planned each charted course
Each careful step along the byway
And more, much, much more
I did it, I did it my way
```

Task18:


```
asif1@DESKTOP-FBNJN0G MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git tag -a v2.0 -m "Extended version"

asif1@DESKTOP-FBNJN0G MINGW64 ~/SD3_A_GitAsses_23 (master)
$ git checkout extra_lines
Switched to branch 'extra_lines'

asif1@DESKTOP-FBNJN0G MINGW64 ~/SD3_A_GitAsses_23 (extra_lines)
$ git tag -a v1.0 -m "Radio version"

asif1@DESKTOP-FBNJN0G MINGW64 ~/SD3_A_GitAsses_23 (extra_lines)
$ git tag
v1.0
v2.0

asif1@DESKTOP-FBNJN0G MINGW64 ~/SD3_A_GitAsses_23 (extra_lines)
$ |
```

