

Task 1

 MINGW64:/c/Users/asifl/GitAssessment

```
asifl@DESKTOP-FBNJN0G MINGW64 /
$ cd

asifl@DESKTOP-FBNJN0G MINGW64 ~
$ mkdir GitAssessment

asifl@DESKTOP-FBNJN0G MINGW64 ~
$ cd GitAssessment

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

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ ..
```

Task 2

```
asifl@DESKTOP-FBNJN0G MINGW64 ~
$ git config --global user.name "laiba asif"

asifl@DESKTOP-FBNJN0G MINGW64 ~
$ git config --global user.email "laiba.asif@mymtu.ie"

asifl@DESKTOP-FBNJN0G MINGW64 ~
$ git config user.name
laiba asif

asifl@DESKTOP-FBNJN0G MINGW64 ~
$ git config user.email
laiba.asif@mymtu.ie

asifl@DESKTOP-FBNJN0G MINGW64 ~
$ ..
```

Task 3

```

asifl@DESKTOP-FBNJN0G MINGW64 ~
$ cd GitAssessment

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git init
Reinitialized existing Git repository in C:/Users/asifl/GitAssessment/.git/

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ touch lyrics.txt

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ head -n 2 SongDataxxx.rft > lyrics.txt
head: cannot open 'SongDataxxx.rft' for reading: No such file or directory

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ head -n 2 SongData-1rft > lyrics.txt
head: cannot open 'SongData-1rft' for reading: No such file or directory

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ head -n 2 SongData-1 > lyrics.txt
head: cannot open 'SongData-1' for reading: No such file or directory

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ head -n 2 SongData-1.txt > lyrics.txt

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git add lyrics.txt

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (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)
    SongData-1.txt

```

Task 4

```

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git commit -m "Hi is my message"
[master (root-commit) 2cd5cd9] Hi is my message
 1 file changed, 2 insertions(+)
 create mode 100644 lyrics.txt

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git log --oneline
2cd5cd9 (HEAD -> master) Hi is my message

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ !

```

Task 5

```

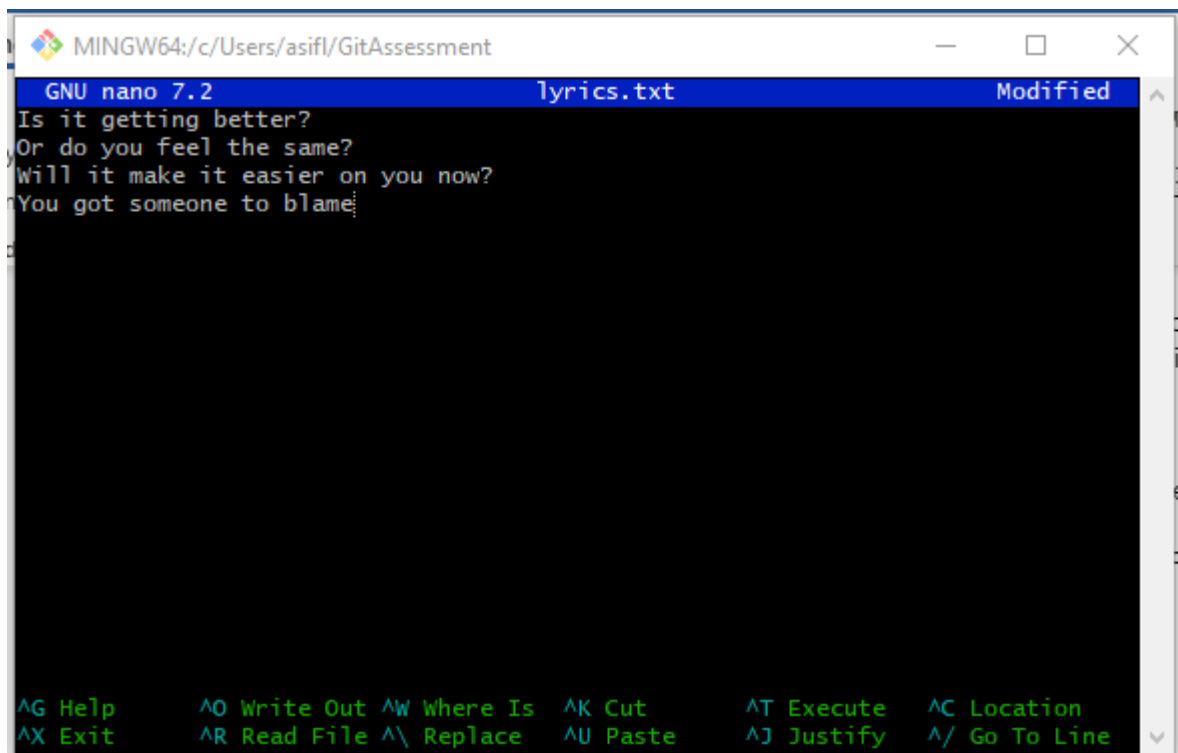
asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ nano lyrics.txt

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git add lyrics.txt

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git commit -m "1st commit done is my message"
[master ffe693d] 1st commit done is my message
1 file changed, 2 insertions(+)

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)

```



The screenshot shows a window titled "MINGW64:/c/Users/asifl/GitAssessment". Inside is the GNU nano 7.2 editor editing lyrics.txt. The file content is:

```

Is it getting better?
Or do you feel the same?
Will it make it easier on you now?
You got someone to blame

```

The bottom status bar shows various keyboard shortcuts: ^G Help, ^O Write Out, ^W Where Is, ^K Cut, ^T Execute, ^C Location, ^X Exit, ^R Read File, ^\ Replace, ^U Paste, ^J Justify, and ^_/ Go To Line.

```

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ nano lyrics.txt

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git add lyrics.txt

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git commit -m "2st commit done is my message"
[master 60fa510] 2st commit done is my message
1 file changed, 2 insertions(+)

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git log --oneline
60fa510 (HEAD -> master) 2st commit done is my message
ffe693d 1st commit done is my message
2cd5cd9 Hi is my message

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$

```

Task 6

```

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git log
commit 60fa5105306bcc0c50f24d189a1a364e7db03f93 (HEAD -> master)
Author: laiba asif <laiba.asif@mymtu.ie>
Date:   Wed Oct 18 09:31:32 2023 +0100

    2st commit done is my message

commit ffe693df97a319761700d961519af977590a7067
Author: laiba asif <laiba.asif@mymtu.ie>
Date:   Wed Oct 18 09:29:03 2023 +0100

    1st commit done is my message

commit 2cd5cd9edae53d023637abaf45cfdc7768812418
Author: laiba asif <laiba.asif@mymtu.ie>
Date:   Wed Oct 18 09:15:11 2023 +0100

    Hi is my message

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$

```

Task 7

```

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git branch extra_lines

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

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (extra_lines)
$

```

Task 8

```

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

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (extra_lines)
$ nano lyrics.txt

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (extra_lines)
$ git add lyrics.txt

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (extra_lines)
$ git commit -m "4 mores lines added to lyrics.txt on extra_lines branch"
[extra_lines 88fec2a] 4 mores lines added to lyrics.txt on extra_lines branch
1 file changed, 4 insertions(+)

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (extra_lines)
$

```

Task 9

```

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

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git merge extra_lines
Updating 60fa510..88fec2a
Fast-forward
 lyrics.txt | 4 ++++
 1 file changed, 4 insertions(+)

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git commit
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
      SongData-1.txt

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

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

```

Task 10

```

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git checkout master
Already on 'master'

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git add .

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git commit -m "merged changes from 'extra_lines' branch"
[master d4acfe0] merged changes from 'extra_lines' branch
 1 file changed, 39 insertions(+)
 create mode 100644 SongData-1.txt

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ nano lyrics.txt

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git add lyrics.txt

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git commit -m "2 mores lines to lyrics.txt on master branch"
git: 'command' is not a git command. See 'git --help'.

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git commit -m "2 mores lines to lyrics.txt on master branch"
[master fe02b98] 2 mores lines to lyrics.txt on master branch
 1 file changed, 2 insertions(+)

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

```

Task 11

```

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git log
commit fe02b987e65ecb8f4876b84292441826a5412594 (HEAD -> master)
Author: laiba asif <laiba.asif@mymtu.ie>
Date:   Wed Oct 18 09:55:04 2023 +0100

    2 mores lines to lyrics.txt on master branch

commit d4acfe0b9881a0f3bb2b4f6cdc5452d00dd8cbdb
Author: laiba asif <laiba.asif@mymtu.ie>
Date:   Wed Oct 18 09:52:27 2023 +0100

    merged changes from 'extra_lines' branch

commit 88fec2ac1d1232f3e57fd897d057c50825aa2562 (extra_lines)
Author: laiba asif <laiba.asif@mymtu.ie>
Date:   Wed Oct 18 09:44:15 2023 +0100

    4 mores lines added to lyrics.txt on extra_lines branch

commit 60fa5105306bcc0c50f24d189a1a364e7db03f93
Author: laiba asif <laiba.asif@mymtu.ie>
Date:   Wed Oct 18 09:31:32 2023 +0100

    2st commit done is my message
:
commit fe02b987e65ecb8f4876b84292441826a5412594 (HEAD -> master)
Author: laiba asif <laiba.asif@mymtu.ie>
Date:   Wed Oct 18 09:55:04 2023 +0100

    2 mores lines to lyrics.txt on master branch

commit d4acfe0b9881a0f3bb2b4f6cdc5452d00dd8cbdb
Author: laiba asif <laiba.asif@mymtu.ie>
Date:   Wed Oct 18 09:52:27 2023 +0100

    merged changes from 'extra_lines' branch

```

```

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git diff 2cd5cd9edae53d023637abaf45cfdc7768812418..ffe693
diff --git a/lyrics.txt b/lyrics.txt
index e1b780d..0ed6bae 100644
--- a/lyrics.txt
+++ b/lyrics.txt
@@ -1,2 +1,4 @@
  Is it getting better?
  Or do you feel the same?
+Will it make it easier on you now?
+You got someone to blame

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ !

```

Task 12

```

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git checkout master
Already on 'master'

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ nano lyrics.txt

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git add lyrics.txt

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git commit -m "2 more lines to lyrics.txt on master branch"
[master 62a071e] 2 more lines to lyrics.txt on master branch
1 file changed, 2 insertions(+)

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git stash
No local changes to save

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

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (extra_lines)
$ git stash apply
No stash entries found.

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (extra_lines)
$

```

Task 13

```

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

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git stash apply
No stash entries found.

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ nano lyrics.txt

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git add lyrics.txt

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$ git commit -m "nothing got changes beacuse no stash entries found"
On branch master
nothing to commit, working tree clean

asifl@DESKTOP-FBNJN0G MINGW64 ~/GitAssessment (master)
$

```

Task 14

```

asifl@DESKTOP-FBNJNOG MINGW64 ~/GitAssessment (master)
$ git log --oneline
62a071e (HEAD -> master) 2 more lines to lyrics.txt on master branch
fe02b98 2 mores lines to lyrics.txt on master branch
d4acfe0 merged changes from 'extra_lines' branch
88fec2a (extra_lines) 4 mores lines added to lyrics.txt on extra_lines branch
60fa510 2st commit done is my message
ffe693d 1st commit done is my message
2cd5cd9 Hi is my message

asifl@DESKTOP-FBNJNOG MINGW64 ~/GitAssessment (master)
$ cat lyrics.txt
Is it getting better?
Or do you feel the same?
Will it make it easier on you now?
You got someone to blame
You say, one love, one life
When it's one need in the night
One love, we get to share it
Leaves you baby if you don't care for it
Did I disappoint you?
Or leave a bad taste in your mouth?
You act like you never had love
And you want me to go without
Well it's too late tonight
To drag the pass out into the light

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

```

Task 15

```

asifl@DESKTOP-FBNJNOG MINGW64 ~/GitAssessment (master)
$ git tag -a v2.0 -m "Extended Version"

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

asifl@DESKTOP-FBNJNOG MINGW64 ~/GitAssessment (extra_lines)
$ git tag -a v1.0 -m "Radio Version"

asifl@DESKTOP-FBNJNOG MINGW64 ~/GitAssessment (extra_lines)
$ git tag
v1.0
v2.0

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

```