

ASSIGNMENT – 2

PART – 1

```
MINGW64/c/Users/Subha/git_project
Subha@LAPTOP-9EL326PM MINGW64 ~
$ mkdir git_project
mkdir: cannot create directory 'git_project': File exists
Subha@LAPTOP-9EL326PM MINGW64 ~
$ cd git_project
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (master)
$ git init
Reinitialized existing Git repository in C:/Users/Subha/git_project/.git/
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (master)
$ git commit -m "Initial commit - added README and main.py"
[master 1af2ee] Initial commit - added README and main.py
Untracked files:
  (use "git add <file>..." to include in what will be committed)
  auth.log
  login_analyzer.sh
  login_reports/

nothing added to commit but untracked files present (use "git add" to track)
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (master)
$ git add
warning: in the working copy of 'auth.log', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'login_analyzer.sh', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'login_reports/all_login_attempts.txt', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'login_reports/failed_logins.txt', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'login_reports/login_stats.txt', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'login_reports/successful_logins.txt', LF will be replaced by CRLF the next time Git touches it
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (master)
$ echo "Initial project content" > README.md
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (master)
$ echo "print('Hello World!')" > main.py
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (master)
$ git add
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'main.py', LF will be replaced by CRLF the next time Git touches it
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (master)
$ git commit -m "Initial commit - added README and main.py"
[master 1af2ee] Initial commit - added README and main.py
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (master)
$ git commit -m "Initial commit - added README and main.py"
```

PART-2

```
MINGW64/c/Users/Subha/git_project
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (master)
$ git commit -m "Initial commit - added README and main.py"
[master 1af2ee] Initial commit - added README and main.py
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (master)
$ git commit -m "Initial commit - added README and main.py"
[master 1af2ee] Initial commit - added README and main.py
8 files changed, 49 insertions(+), 7 deletions(-)
create mode 100644 auth.log
create mode 100644 login_analyzer.sh
create mode 100644 login_reports/all_login_attempts.txt
create mode 100644 login_reports/failed_logins.txt
create mode 100644 login_reports/login_stats.txt
create mode 100644 login_reports/successful_logins.txt
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (master)
$ git checkout -b Feature-branch
Switched to a new branch 'feature-branch'
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ echo "def new_function():" >> main.py
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ echo "    print('New feature!')" >> main.py
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ echo "Additional documentation" >> README.md
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ git add
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'main.py', LF will be replaced by CRLF the next time Git touches it
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ git commit -m "Added new feature function"
(feature-branch bd9bdf) Added new feature function
2 files changed, 3 insertions(+)
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ git checkout main
error: pathspec 'main' did not match any file(s) known to git
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ git checkout main.py
updated 0 paths from the index
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ echo "def original_function():" >> main.py
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ echo "    print('Original function!')" >> main.py
Subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ echo "Main branch documentation" >> README.md
```

PART-3

```
MINGW64/c/Users/Subha/git_project
2 files changed, 3 insertions(+)
subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ git checkout main
error: pathspec 'main' did not match any file(s) known to git
subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ git checkout main.py
Updated 0 paths from the index
subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ echo "def original_function():" >> main.py
subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ echo "    print('Original function')>> main.py
subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ echo "Main branch documentation" >> README.md
subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ git add
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time git touches it
warning: in the working copy of 'main.py', LF will be replaced by CRLF the next time git touches it
subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ git commit -m "Added original function on main branch"
(feature-branch 0e97efb) Added original function on main branch
2 files changed, 3 insertions(+)
subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ git merge feature-branch
Already up to date.
subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ cat <<EOF > main.py
print('Hello world')
def original_function():
    print('Original function')
def new_function():
    print('New feature')
EOF
subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ git add main.py
warning: in the working copy of 'main.py', LF will be replaced by CRLF the next time git touches it
subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$ git commit -m "Resolved merge conflict by keeping both functions"
(feature-branch 808965a) Resolved merge conflict by keeping both functions
3 files changed, 4 insertions(+), 2 deletions(-)
subha@LAPTOP-9EL326PM MINGW64 ~/git_project (feature-branch)
$
```

PART-4

```
File Edit Selection View Go Run Terminal Help
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
main.py x
C: > Users > Subha > git_project > main.py > ...
1 print('Hello World')
2 def new_function():
3     print('New feature')
4 def original_function():
5     print('Original function')
6
```