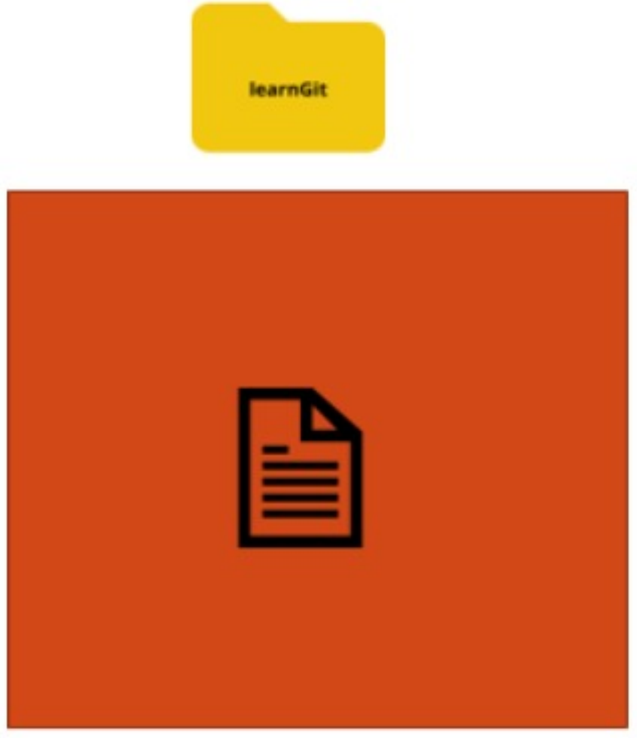
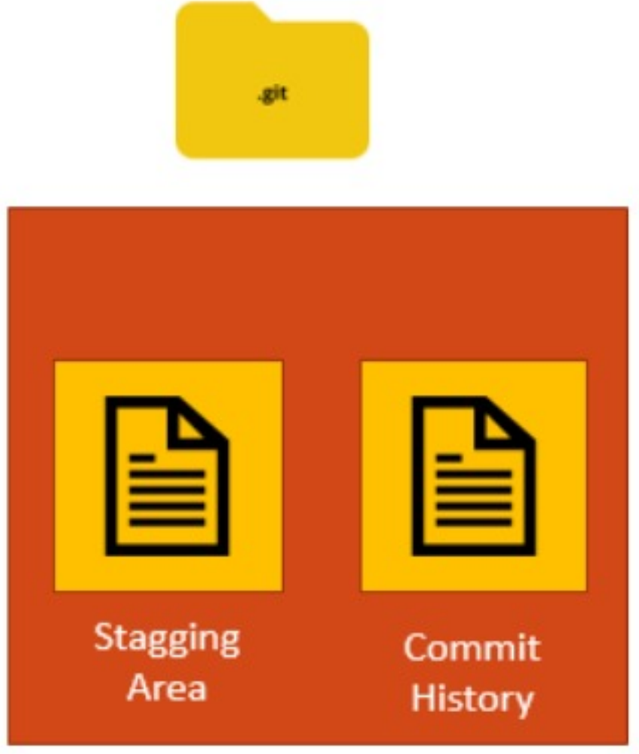
# How Git Works ?



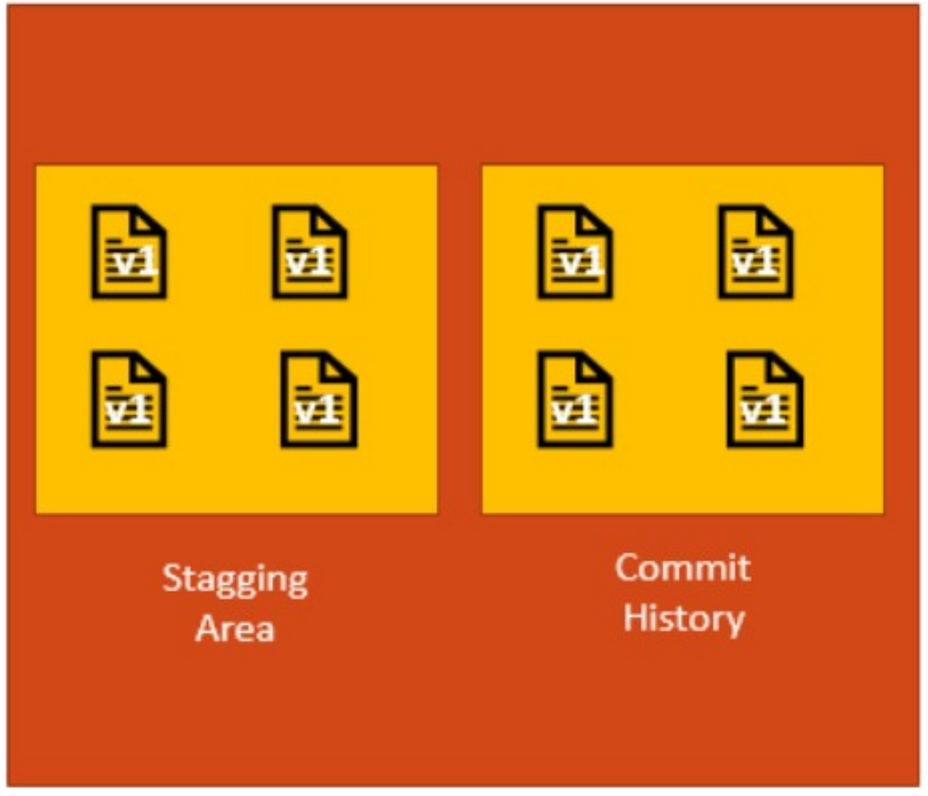

Working Directory




Repository

# Git

Working Directory




Repository

```
Azmi@Azmi MINGW64 ~
$ git config --global USER.NAME
Moteeullah Azmi

Azmi@Azmi MINGW64 ~
$ git config --global USER.NAME moteeullahazmi
'
Azmi@Azmi MINGW64 ~
$ git config --global USER.NAME moteeullahazmi

Azmi@Azmi MINGW64 ~
$ git config --global USER.NAME
moteeullahazmi

Azmi@Azmi MINGW64 ~
$ git config --global user.email moteeullahazmi@gmail.com

Azmi@Azmi MINGW64 ~
$ git config --global user.email
moteeullahazmi@gmail.com
```

File Edit Selection View Go ··· Git And Github - Visu...

EXPLORER ···

GIT AND GITHUB

Notes

PROBLEMS OUTPUT TERMINAL ···

powershell

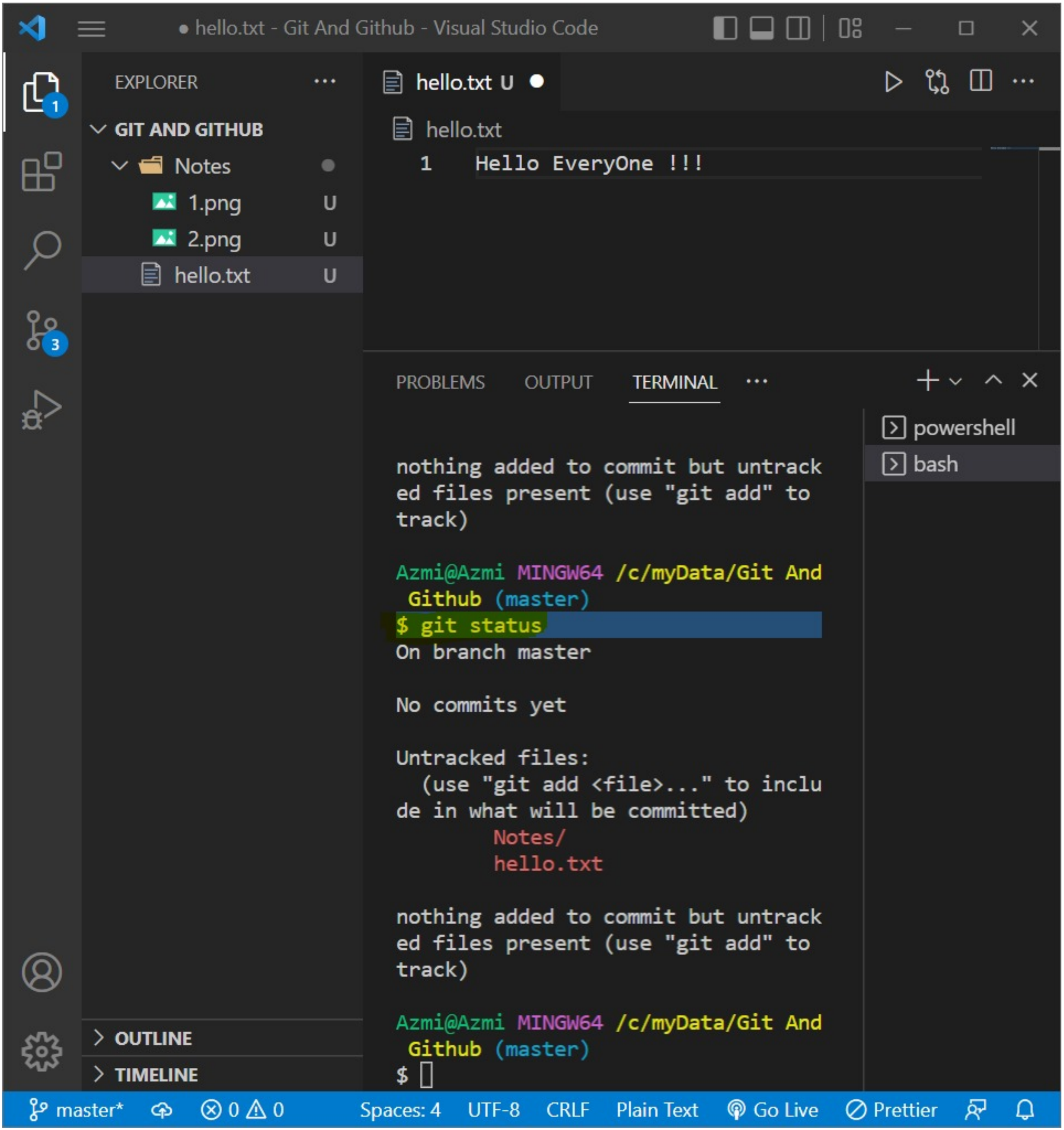
bash

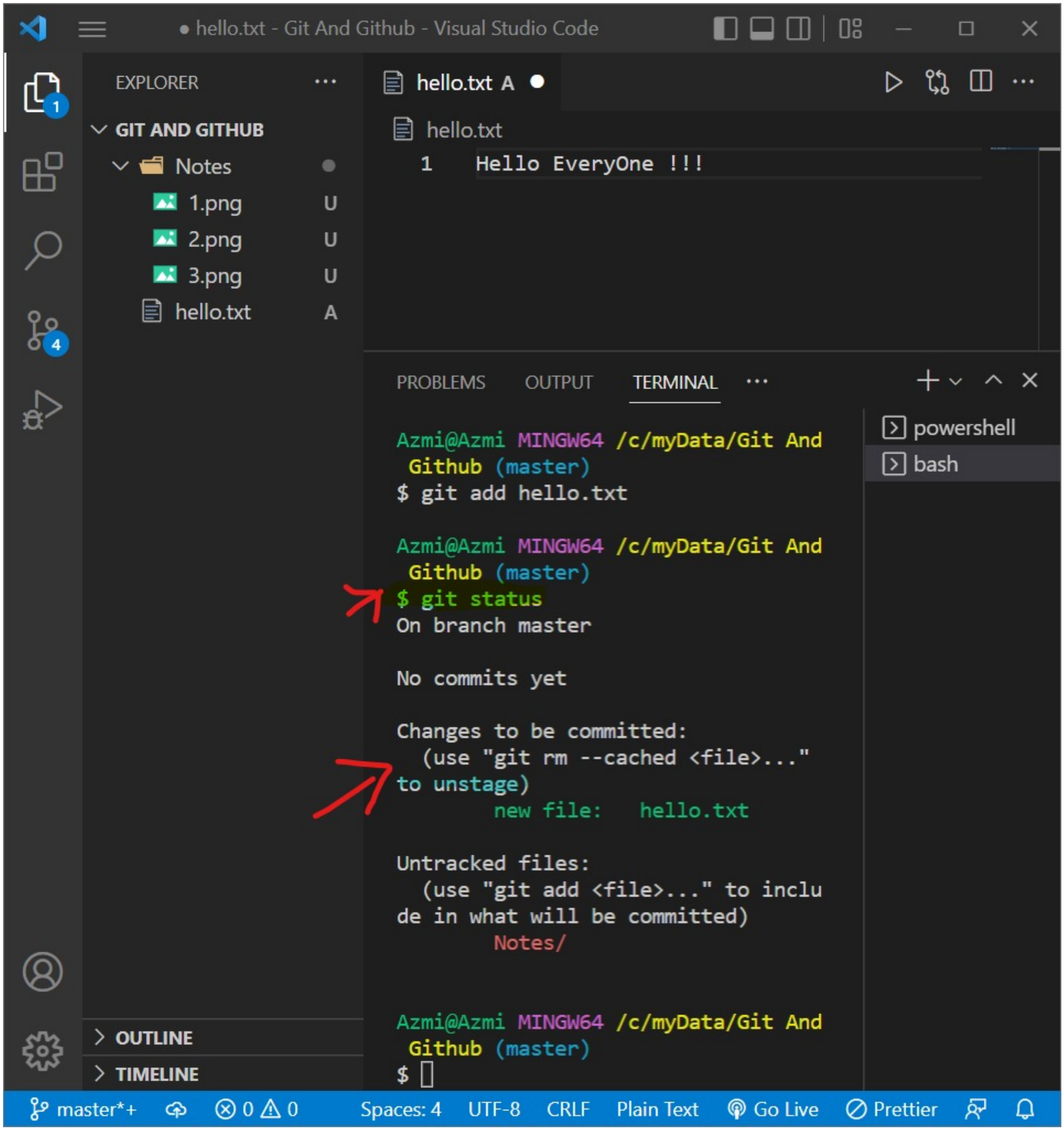
```
Azmi@Azmi MINGW64 /c/myData/Git And
 Github
$ git init
Initialized empty Git repository in
 C:/myData/Git And Github/.git/

Azmi@Azmi MINGW64 /c/myData/Git And
 Github (master)
$
```

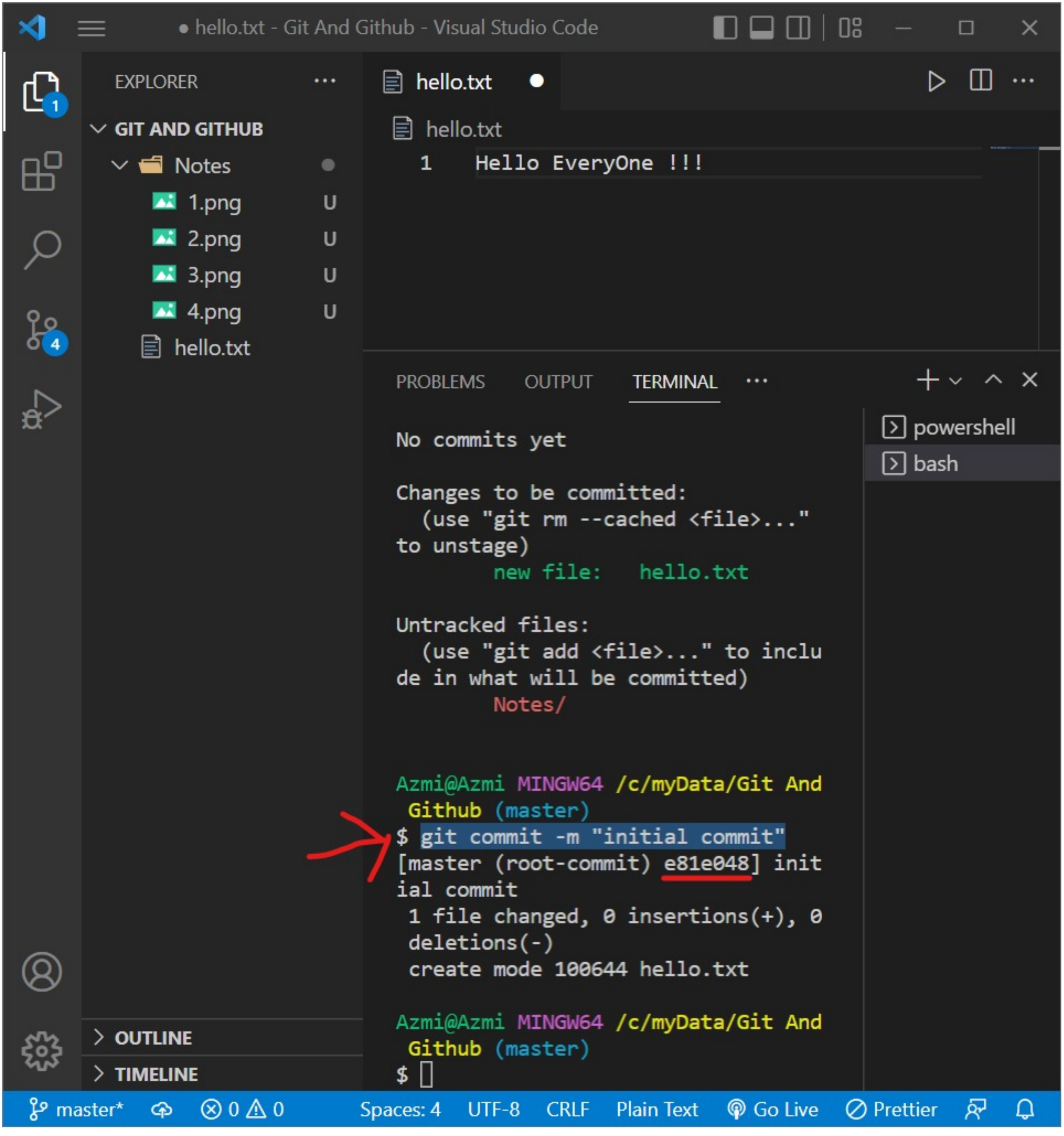
OUTLINE

TIMELINE

master* 0 0 Go Live


• hello.txt - Git And Github - Visual Studio Code
EXPLORER
GIT AND GITHUB
Notes
1.png U
2.png U
hello.txt U
hello.txt U
hello.txt
1 Hello EveryOne !!!
PROBLEMS
OUTPUT
TERMINAL
powershell
bash
nothing added to commit but untrack
ed files present (use "git add" to
track)
Azmi@Azmi MINGW64 /c/myData/Git And
Github (master)
$ git status
On branch master
No commits yet
Untracked files:
(use "git add <file>..." to inclu
de in what will be committed)
Notes/
hello.txt
nothing added to commit but untrack
ed files present (use "git add" to
track)
Azmi@Azmi MINGW64 /c/myData/Git And
Github (master)
$
OUTLINE
TIMELINE
master*
0 0
Spaces: 4
UTF-8
CRLF
Plain Text
Go Live
Prettier


• hello.txt - Git And Github - Visual Studio Code
EXPLORER
hello.txt A
GIT AND GITHUB
Notes
1.png U
2.png U
3.png U
hello.txt A
hello.txt
1 Hello EveryOne !!!
PROBLEMS
OUTPUT
TERMINAL
powershell
bash
Azmi@Azmi MINGW64 /c/myData/Git And Github (master)
$ git add hello.txt
Azmi@Azmi MINGW64 /c/myData/Git And Github (master)
$ git status
On branch master
No commits yet
Changes to be committed:
(use "git rm --cached <file>..." to unstage)
new file: hello.txt
Untracked files:
(use "git add <file>..." to include in what will be committed)
Notes/
Azmi@Azmi MINGW64 /c/myData/Git And Github (master)
$
OUTLINE
TIMELINE
master*+
0 0
Spaces: 4
UTF-8
CRLF
Plain Text
Go Live
Prettier


• hello.txt - Git And Github - Visual Studio Code
EXPLORER
GIT AND GITHUB
Notes
1.png U
2.png U
3.png U
4.png U
hello.txt
hello.txt
hello.txt
1 Hello EveryOne !!!
PROBLEMS
OUTPUT
TERMINAL
powershell
bash
No commits yet
Changes to be committed:
(use "git rm --cached <file>..."
to unstage)
new file: hello.txt
Untracked files:
(use "git add <file>..." to inclu
de in what will be committed)
Notes/
Azmi@Azmi MINGW64 /c/myData/Git And
Github (master)
$ git commit -m "initial commit"
[master (root-commit) e81e048] init
ial commit
1 file changed, 0 insertions(+), 0
deletions(-)
create mode 100644 hello.txt
Azmi@Azmi MINGW64 /c/myData/Git And
Github (master)
$
OUTLINE
TIMELINE
master*
0 0
Spaces: 4
UTF-8
CRLF
Plain Text
Go Live
Prettier

hello.txt - Git And Github - Visual Studio Code

EXPLORER

GIT AND GITHUB

- Notes
  - 1.png U
  - 2.png U
  - 3.png U
  - 4.png U
  - 5.png U
  - hello.txt M

hello.txt M

hello.txt

```
1   Hello EveryOne !!!
2   azmi
```

PROBLEMS OUTPUT TERMINAL

powershell

bash

```
track)

Azmi@Azmi MINGW64 /c/myData/Git And
 Github (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to updat
e what will be committed)
  (use "git restore <file>..." to d
iscard changes in working directory
)
        modified:   hello.txt

Untracked files:
  (use "git add <file>..." to inclu
de in what will be committed)
        Notes/

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

Azmi@Azmi MINGW64 /c/myData/Git And
 Github (master)
$
```

OUTLINE

TIMELINE

master* 0 0 Spaces: 4 UTF-8 CRLF Plain Text Go Live Prettier

hello.txt - Git And Github - Visual Studio Code

EXPLORER

GIT AN...

Notes

1.png A
2.png A
3.png A
4.png A
5.png A
6.png A
hello.txt M

hello.txt M

hello.txt

```
1   Hello EveryOne !!!
2   azmi
```

PROBLEMS OUTPUT TERMINAL

powershell
bash

```
t add" and/or "git commit -a")

Azmi@Azmi MINGW64 /c/myData/Git And
 Github (master)
$ git add ./

Azmi@Azmi MINGW64 /c/myData/Git And
 Github (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>
..." to unstage)
        new file:   Notes/1.png
        new file:   Notes/2.png
        new file:   Notes/3.png
        new file:   Notes/4.png
        new file:   Notes/5.png
        new file:   Notes/6.png
        modified:   hello.txt


Azmi@Azmi MINGW64 /c/myData/Git And
 Github (master)
$
```

OUTLINE

TIMELINE

master+ 0 0 Spaces: 4 UTF-8 CRLF Plain Text Go Live Prettier

hello.txt - Git And Github - Visual Studio Code

EXPLORER

GIT AN...

Notes

1.png A
2.png A
3.png A
4.png A
5.png A
6.png A
7.png U
hello.txt M

hello.txt M

hello.txt

```
1   Hello EveryOne !!!
2   azmi
```

PROBLEMS OUTPUT TERMINAL

```
 be added later
    --pathspec-from-file <file>
                          read path
spec from file
    --pathspec-file-nul   with --pa
thspec-from-file, pathspec elements
 are separated with NUL character
    -z                    DEPRECATE
D (use --pathspec-file-nul instead)
: paths are separated with NUL char
acter
    --stdin               DEPRECATE
D (use --pathspec-from-file=- inste
ad): read paths from <stdin>


Azmi@Azmi MINGW64 /c/myData/Git And
 Github (master)
$ git reset HEAD -- hello.txt
Unstaged changes after reset:
M       hello.txt

Azmi@Azmi MINGW64 /c/myData/Git And
 Github (master)
$
```

powershell
bash

OUTLINE
TIMELINE

master*+ 0 0 Spaces: 4 UTF-8 CRLF Plain Text Go Live Prettier