

The image shows a Windows File Explorer window on the left and a Windows Command Prompt window on the right. The File Explorer window displays the file path `file:///C:/myData/Git And Github/Color` and a commit hash `81274c04d7d42974aacb31be0f5290d2dd463af0`. The Command Prompt window shows the following sequence of commands and outputs:

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

Azmi@Azmi MINGW64 /c/myData/Git And Github/Color (master)
$ git commit -m "green"
On branch master

Initial commit

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

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

Azmi@Azmi MINGW64 /c/myData/Git And Github/Color (master)
$ git status
On branch master

No commits yet

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

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

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

Azmi@Azmi MINGW64 /c/myData/Git And Github/Color (master)
$ git commit -m "green"
[master (root-commit) 81274c0] green
1 file changed, 1 insertion(+)
create mode 100644 color.txt

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

Red annotations in the image include:

- An arrow pointing from the commit hash `81274c04d7d42974aacb31be0f5290d2dd463af0` in the File Explorer to the `81274c0` part of the commit hash in the Command Prompt output.
- An arrow pointing from the `git init` command to the `Initialized empty Git repository` output.
- An arrow pointing from the `git commit -m "green"` command to the `On branch master` output.
- An arrow pointing from the `git commit -m "green"` command to the `Initial commit` output.
- An arrow pointing from the `git commit -m "green"` command to the `Untracked files:` output.
- An arrow pointing from the `git add color.txt` command to the `Untracked files:` output.
- A red circle around the final `$` prompt in the Command Prompt.

FileEditSelectionViewGo...color.txt - Color - Visu...

EXPLORER

on: GitLens — Git supercharged

color.txt

COLOR

color.txt

color.txt

1 i am green.

2 I am blue.

PROBLEMS

OUTPUT

TERMINAL

+

^

×

powershell

bash

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

\$ git status

On branch master

nothing to commit, working tree clean

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

\$ git status

On branch master

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

modified: color.txt

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

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

\$

> OUTLINE

> TIMELINE

EXPLOER

✓ COLOR

color.txt

```
color.txt
1 i am green.
2 I am blue.
```

```
iscard changes in working directory
)
    modified:   color.txt

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

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

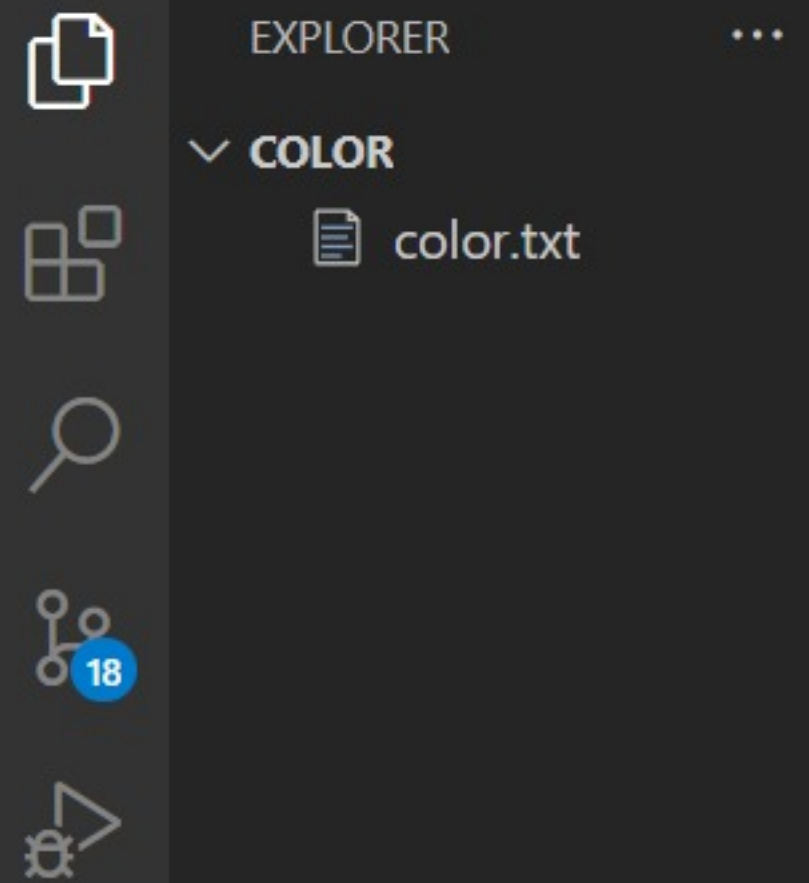
Azmi@Azmi MINGW64 /c/myData/Git And Github/Color (master)
$ git add color.txt

Azmi@Azmi MINGW64 /c/myData/Git And Github/Color (master)
$ git commit -m "blue"
[master b999551] blue
1 file changed, 2 insertions(+), 1 deletion(-)

Azmi@Azmi MINGW64 /c/myData/Git And Github/Color (master)
$ git cat-file -p
```

> OUTLINE

> TIMELINE



Extension: GitLens — Git supercharged color.txt

```
color.txt
1  i am green.
2  I am blue.
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

```
--buffer          buffer --batch output
--follow-symlinks  follow in-tree symlinks
--unordered        do not order objects before emitting the
m

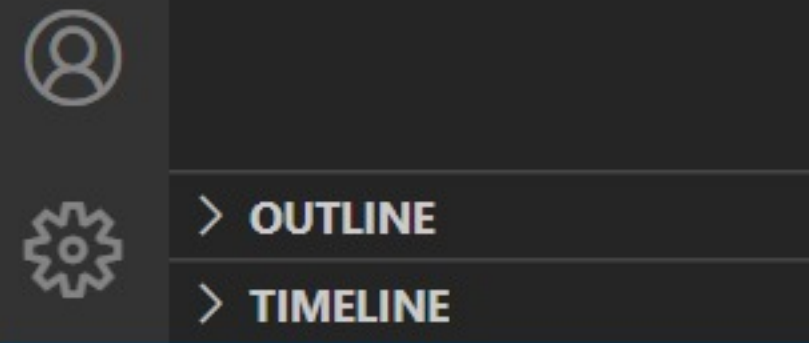
Emit object (blob or tree) with conversion or filter (stand-alone,
or with batch)
--textconv         run textconv on object's content
--filters          run filters on object's content
--path blob|tree   use a <path> for (--textconv | --filters
); Not with 'batch'
```

```
Azmi@Azmi MINGW64 /c/myData/Git And Github/Color (master)
$ git cat-file -p b999551
tree c11d0978a59b19600505cfb972a45cecea4d638f
parent 81274c04d7d42974aacb31be0f5290d2dd463af0
author moteeullahazmi <moteeullahazmi@gmail.com> 1661541791 +0530
committer moteeullahazmi <moteeullahazmi@gmail.com> 1661541791 +05
30

blue
```

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

powershell
bash



FileEditSelectionViewGoRunTerminalHelp

color.txt - Color - Visual Studio Code

color.txt

EXPLORER

COLOR

color.txt

color.txt

1 i am green.

2 I am blue.

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

JUPYTER

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

\$ git cat-file -p b999551

tree c11d0978a59b19600505cfb972a45cecea4d638f

parent 81274c04d7d42974aacb31be0f5290d2dd463af0

author moteeullahazmi <moteeullahazmi@gmail.com> 1661541791 +0530

committer moteeullahazmi <moteeullahazmi@gmail.com> 1661541791 +0530

tree c11d0978a59b19600505cfb972a45cecea4d638f

parent 81274c04d7d42974aacb31be0f5290d2dd463af0

author moteeullahazmi <moteeullahazmi@gmail.com> 1661541791 +0530

er)

\$ git log

commit b999551d265462f7c32afb046274f58368c5fe9b (HEAD -> master)

Author: moteeullahazmi <moteeullahazmi@gmail.com>

Date: Sat Aug 27 00:53:11 2022 +0530

blue

commit 81274c04d7d42974aacb31be0f5290d2dd463af0

Author: moteeullahazmi <moteeullahazmi@gmail.com>

Date: Sat Aug 27 00:41:51 2022 +0530

green

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

\$

powershell

bash

master*+

Ln 2, Col 12

Spaces: 4

UTF-8

CRLF

Plain Text

Go Live

Prettier

EXPLORER

✓ COLOR

color.txt

Extension: GitLens — Git supercharged

color.txt

color.txt

```
1 i am green.
2 I am blue.
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

* master

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

\$ git log

commit b999551d265462f7c32afb046274f58368c5fe9b (HEAD -> master, branch1)

Author: moteeullahazmi <moteeullahazmi@gmail.com>

Date: Sat Aug 27 00:53:11 2022 +0530

blue

commit 81274c04d7d42974aacb31be0f5290d2dd463af0

Author: moteeullahazmi <moteeullahazmi@gmail.com>

Date: Sat Aug 27 00:41:51 2022 +0530

green

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

\$

powershell

bash



> OUTLINE

> TIMELINE

Visual Studio Code interface showing the Explorer sidebar on the left with a file named 'eb3 DAO'. The bottom status bar displays 'CLIP', 'SAVE', and other icons.

Visual Studio Code interface showing the Editor and Terminal panels.

Editor: The file 'color.txt' is open, containing the following text:

```
1 i am green.  
2 I am blue.
```

Terminal: The terminal shows the output of a 'git log' command. The output is divided into three sections: 'master', 'blue', and 'green'.

master

```
Azmi@Azmi MINGW64 /c/myData/Git And Github/Color (branch1)  
$ git log  
commit b999551d265462f7c32afb046274f58368c5fe9b (HEAD -> branch  
1, master)  
Author: moteeullahazmi <moteeullahazmi@gmail.com>  
Date: Sat Aug 27 00:53:11 2022 +0530
```

blue

```
commit 81274c04d7d42974aacb31be0f5290d2dd463af0  
Author: moteeullahazmi <moteeullahazmi@gmail.com>  
Date: Sat Aug 27 00:41:51 2022 +0530
```

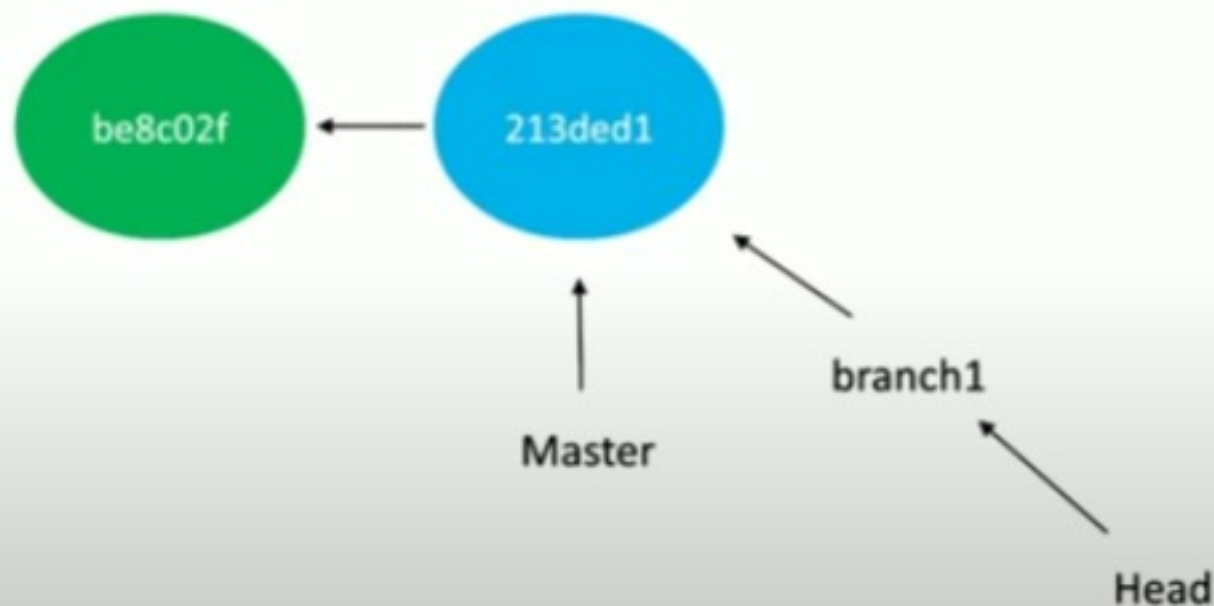
green

```
Azmi@Azmi MINGW64 /c/myData/Git And Github/Color (branch1)  
$
```

The terminal also shows a list of shells on the right: 'powershell' and 'bash'.

What is a Branch ?

- It is a pointer to a commit.



What is a Branch ?

- It is a pointer to a commit.

