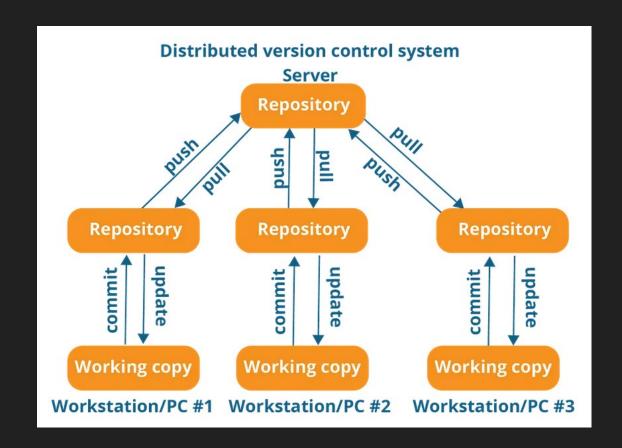


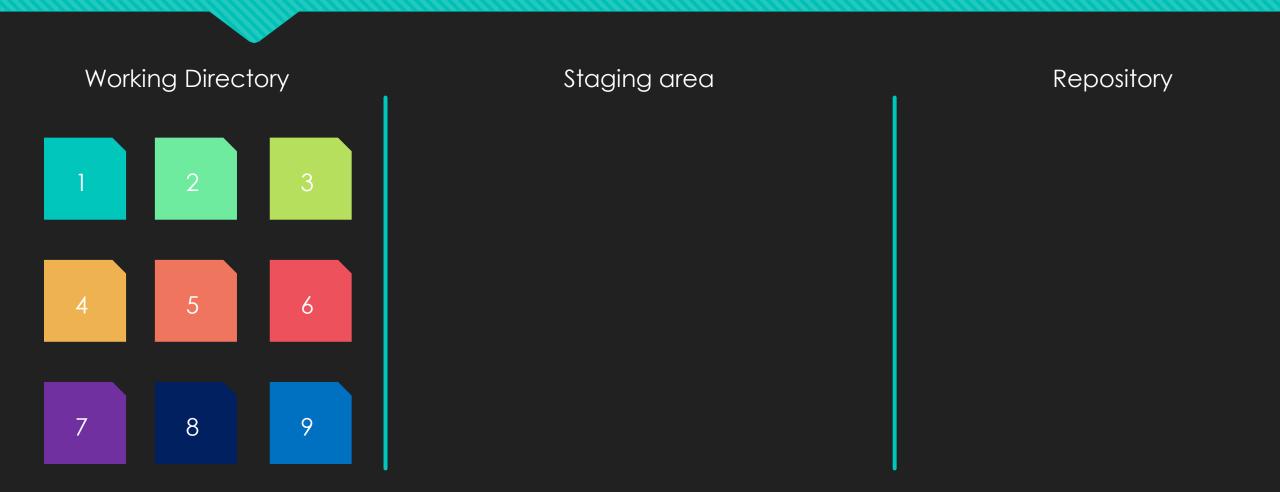
GIT

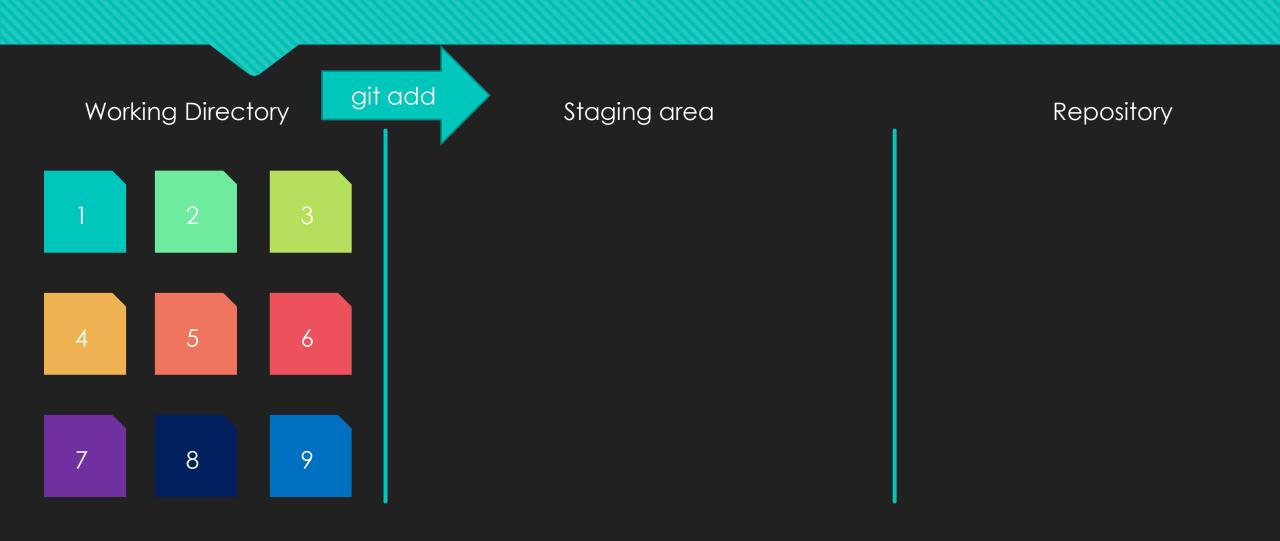
Mohammad Ghoddosi

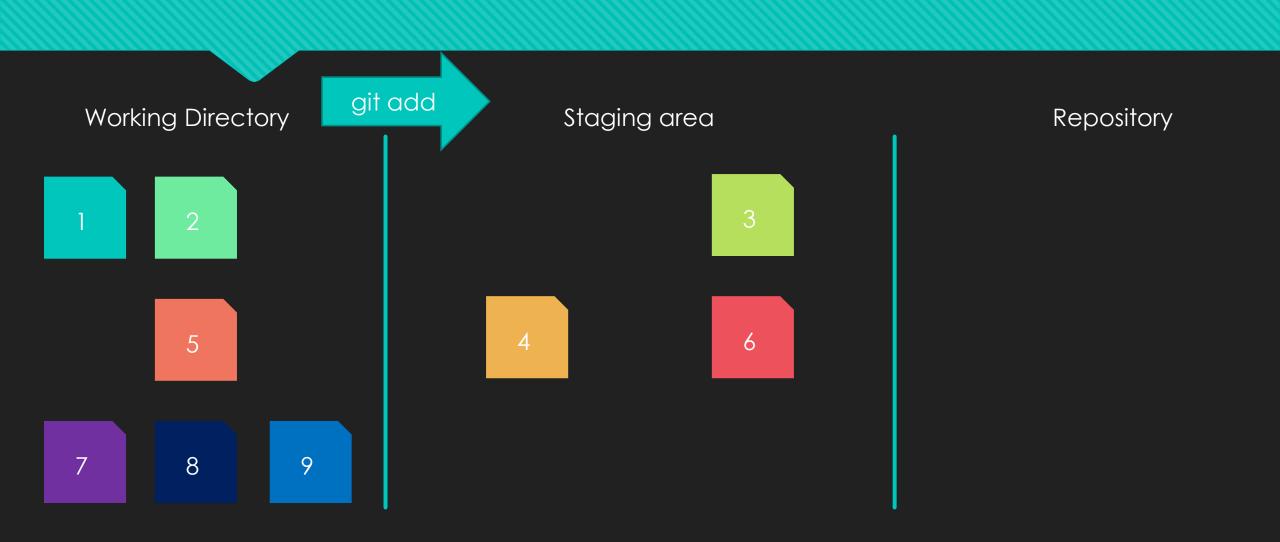
What is Git?

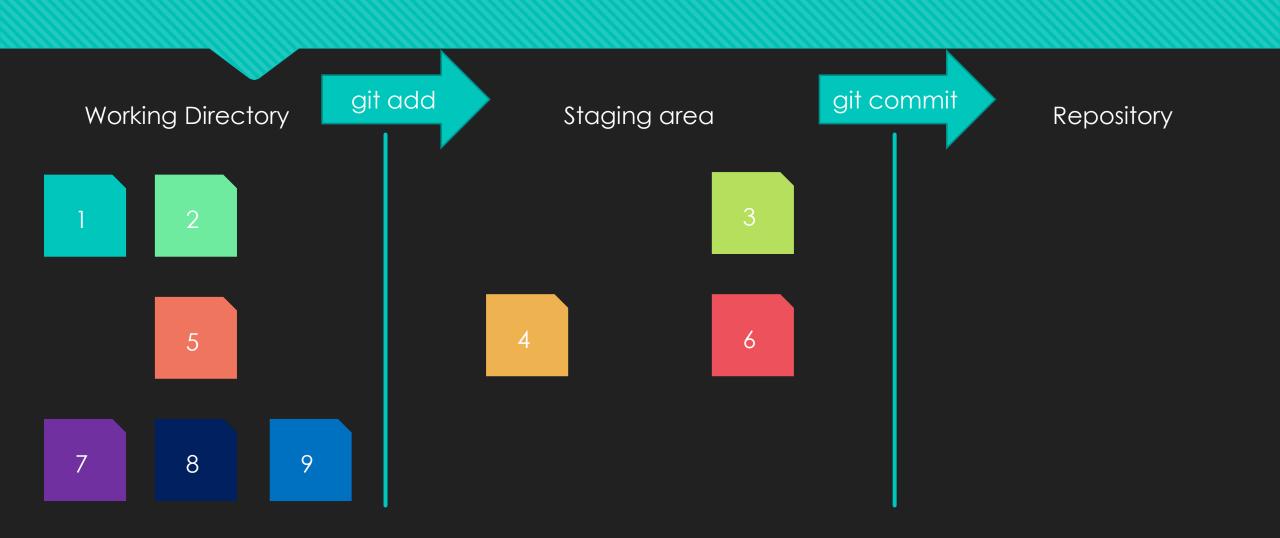
- distributed version control system (DVCS)
- O Git was developed by Linus Torvalds in 2005
- Version control
- Collaboration
- O Backup
- Branching and merging
- Industry standard

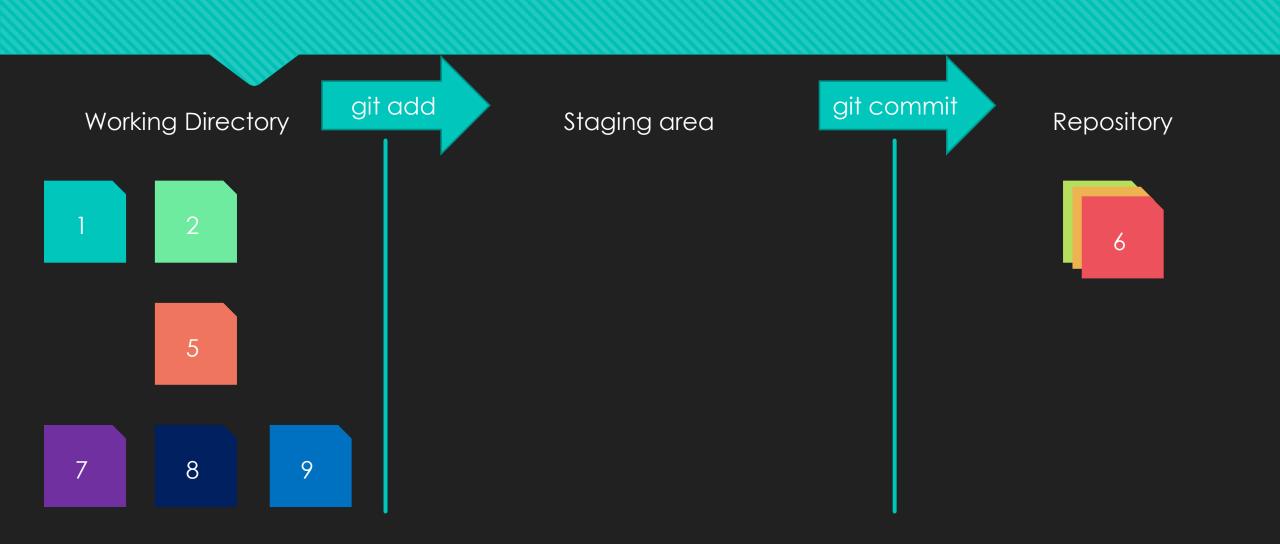


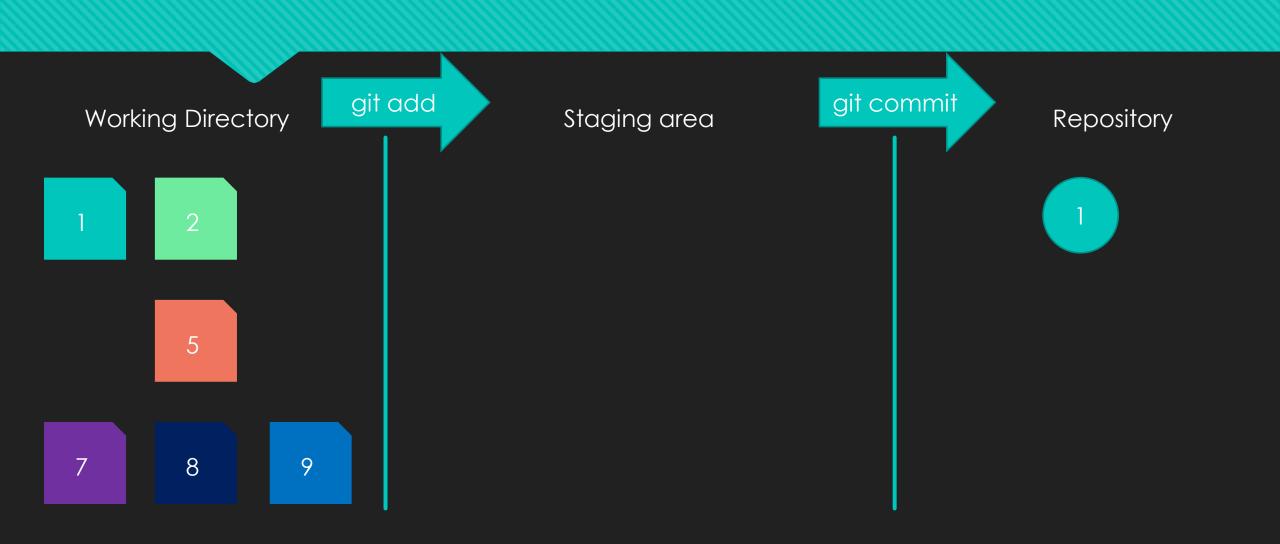


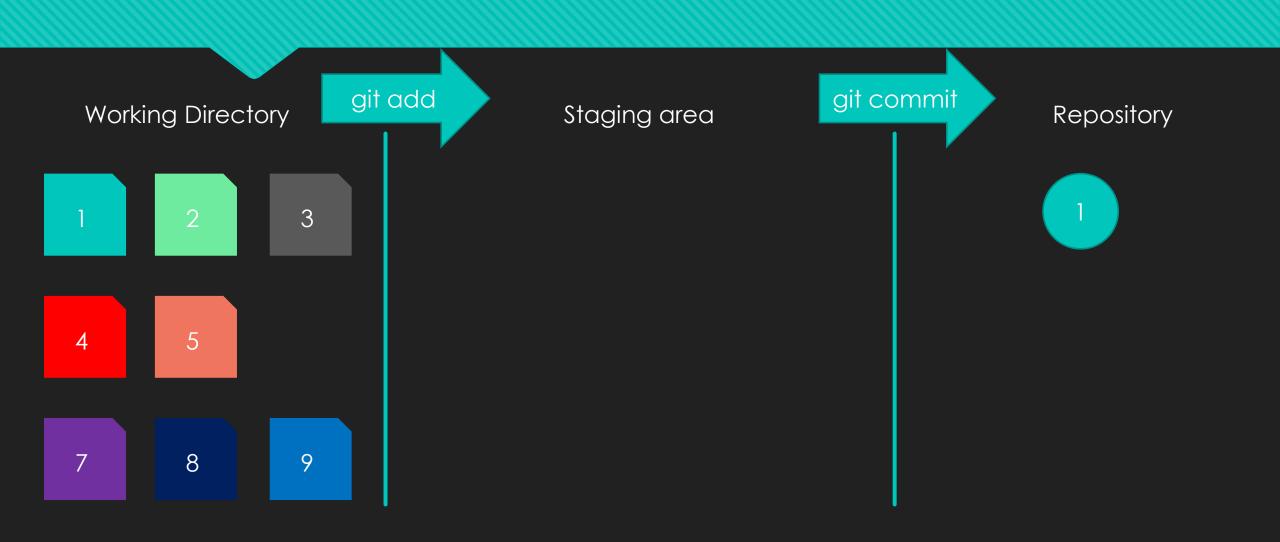


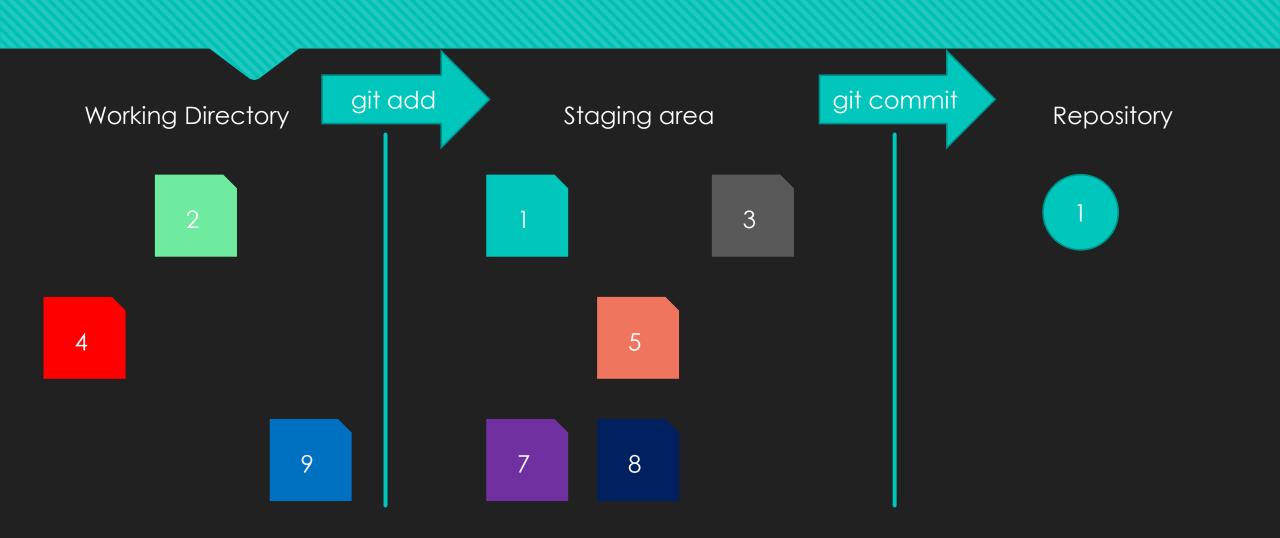


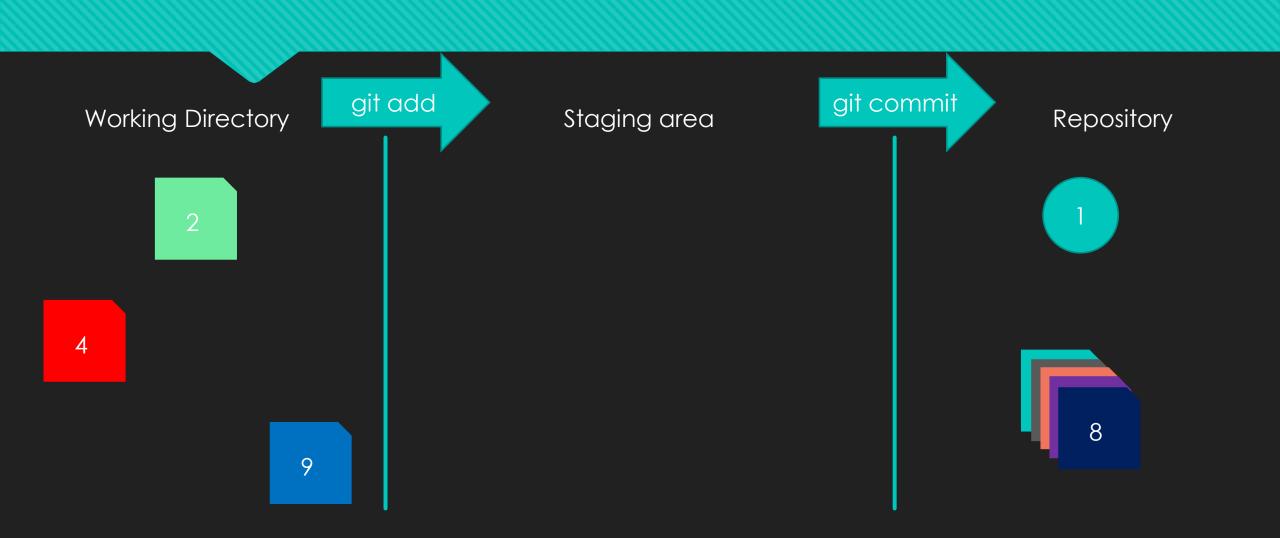


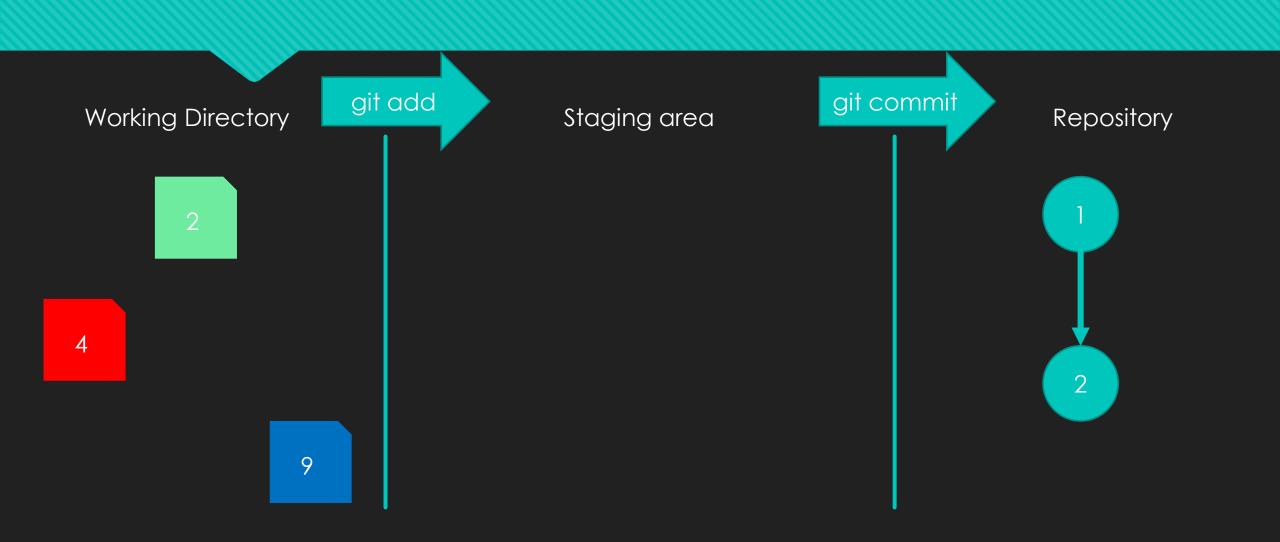


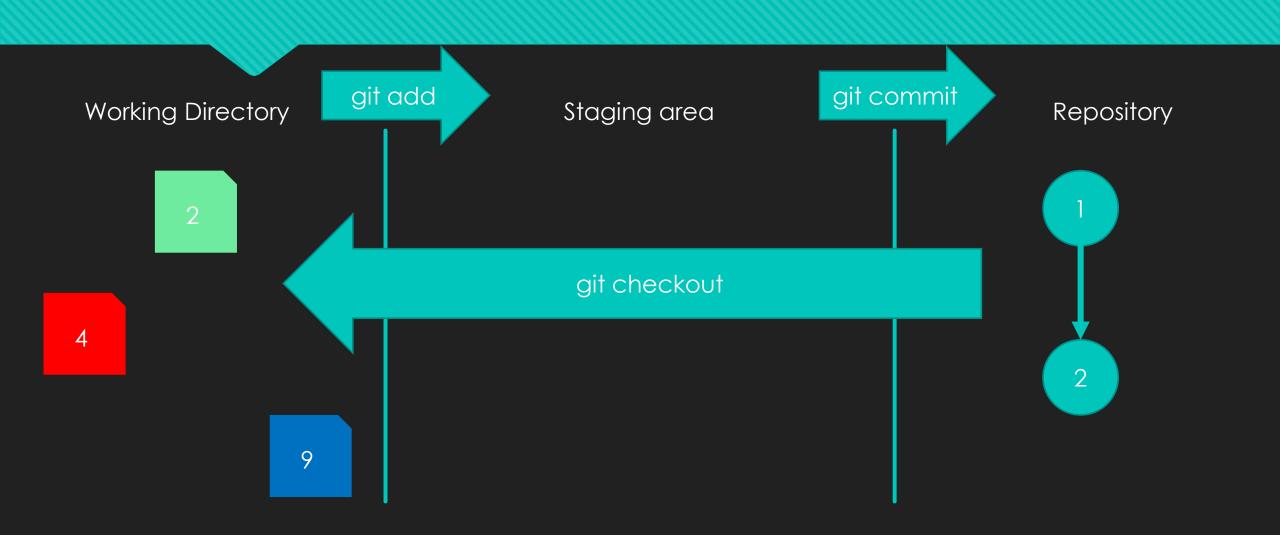


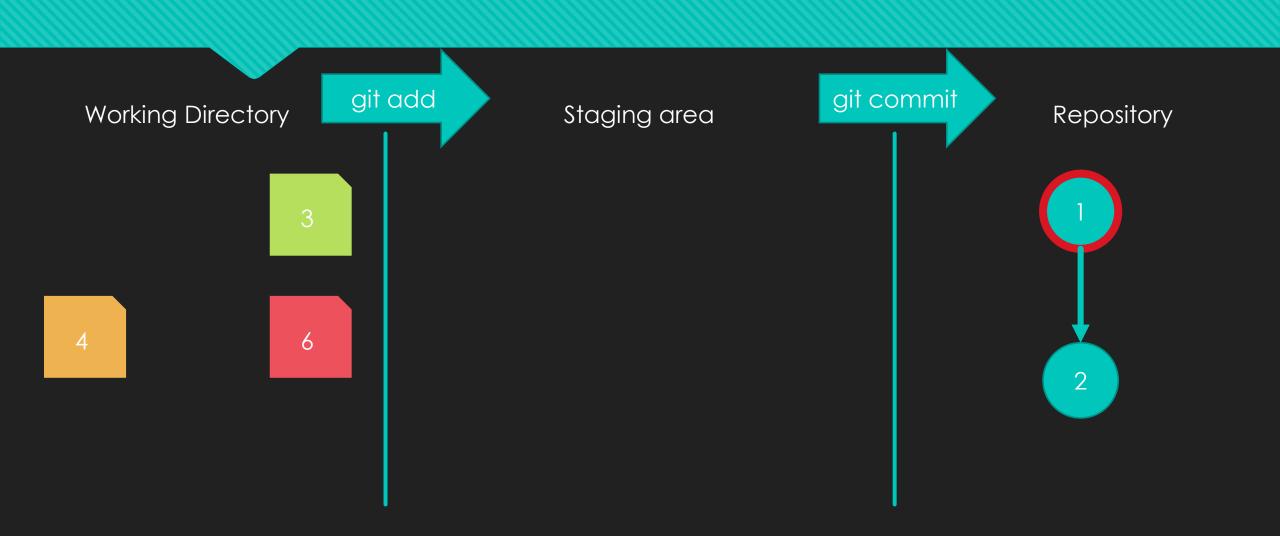


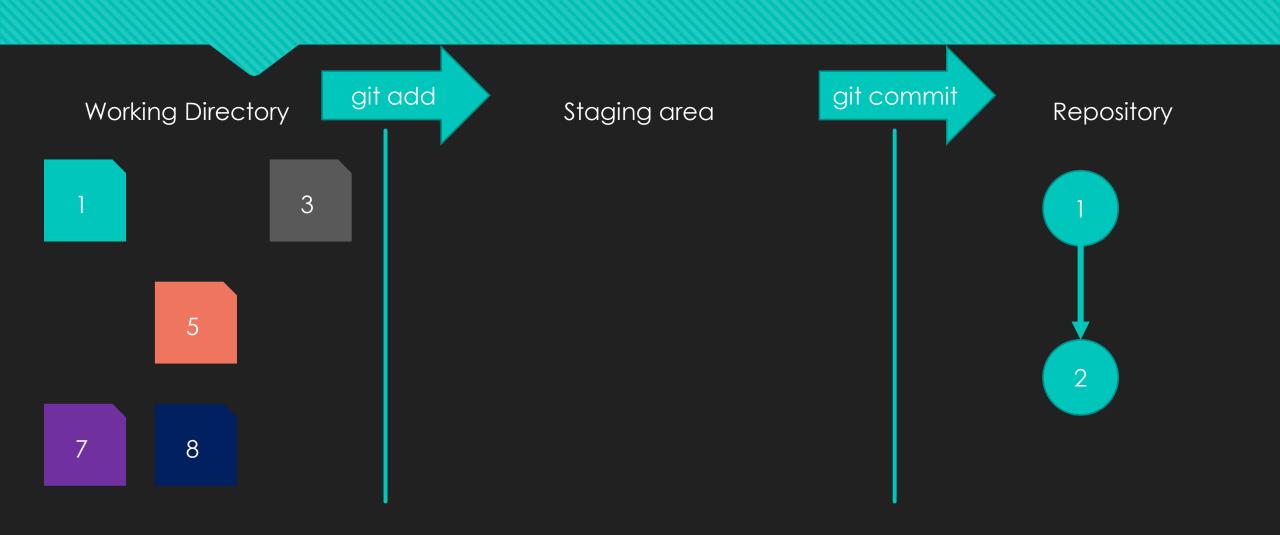




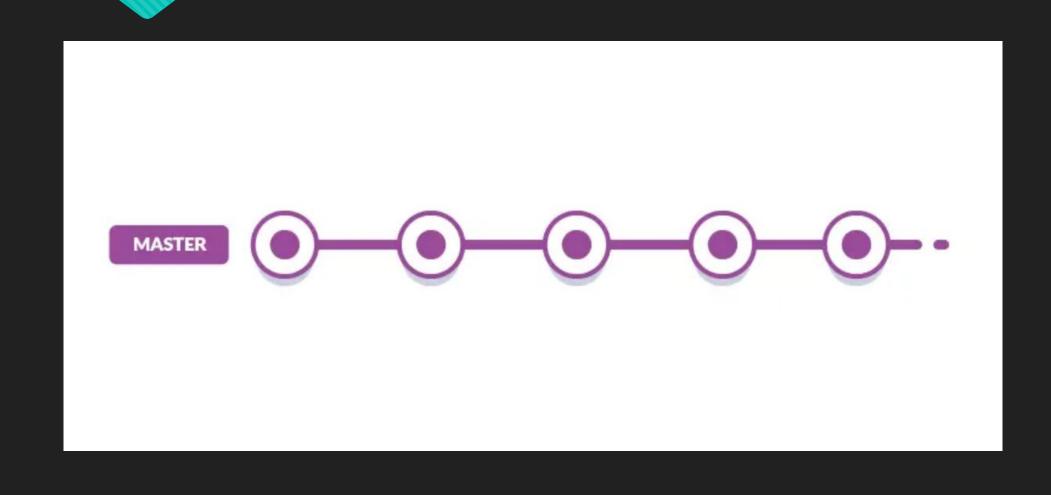




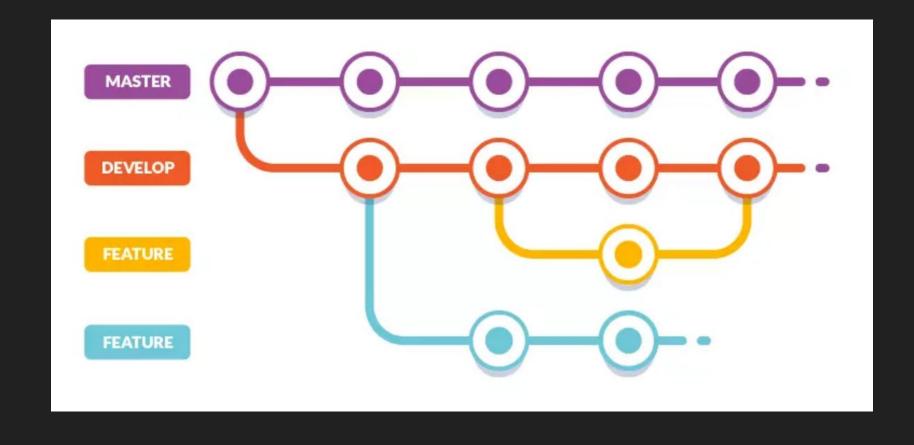




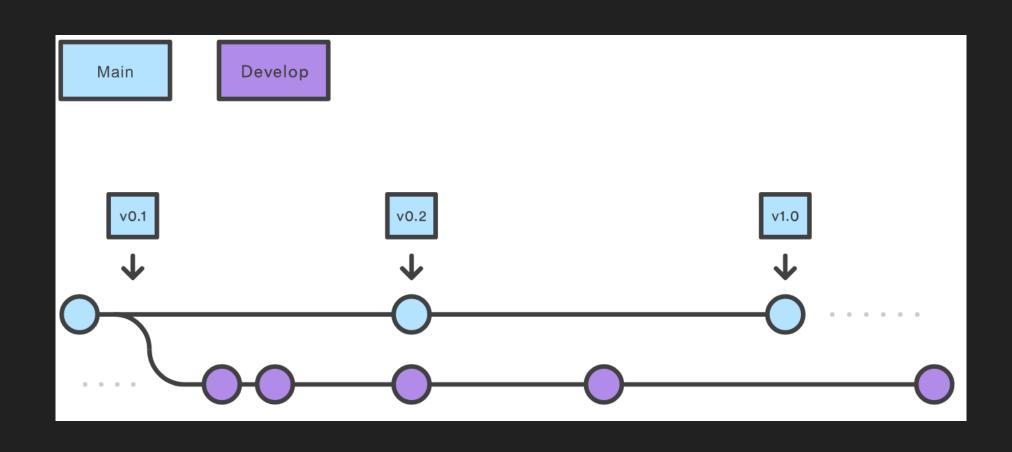
Git



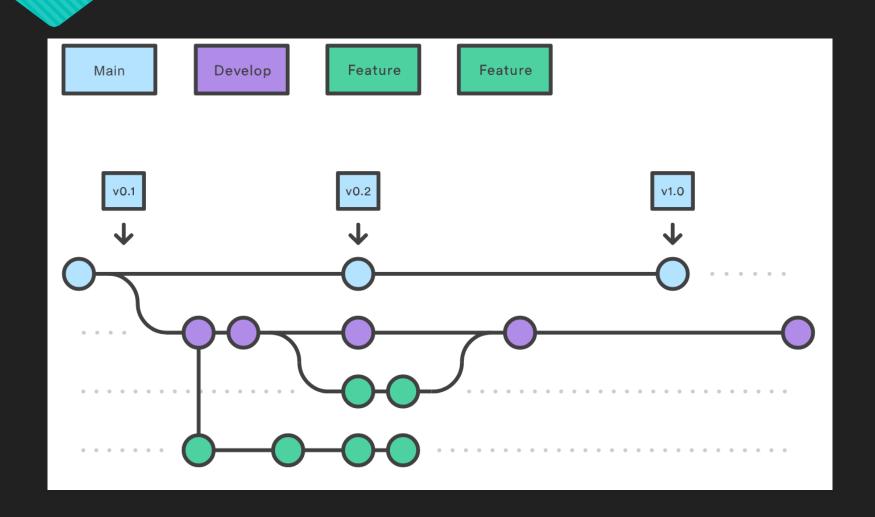
Git



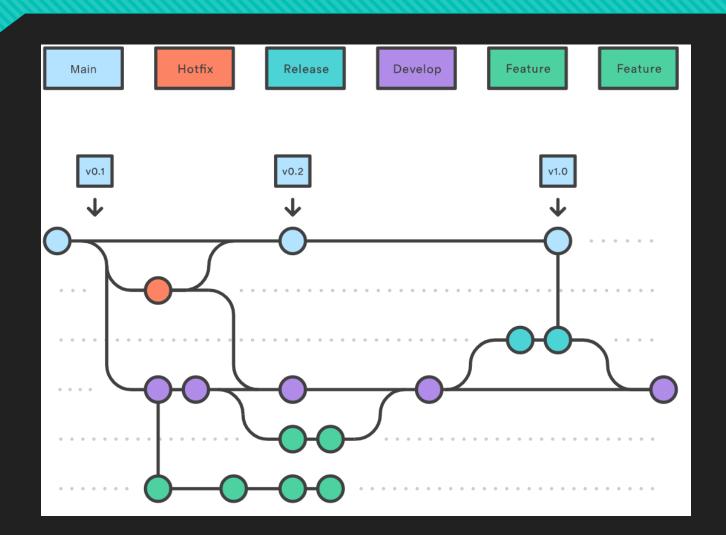
Example in action



Example in action



Example in action



Getting Started

- Install git
- O Set name and email

```
git config --global user.name "your name here"
git config --global user.email "your email here"
```

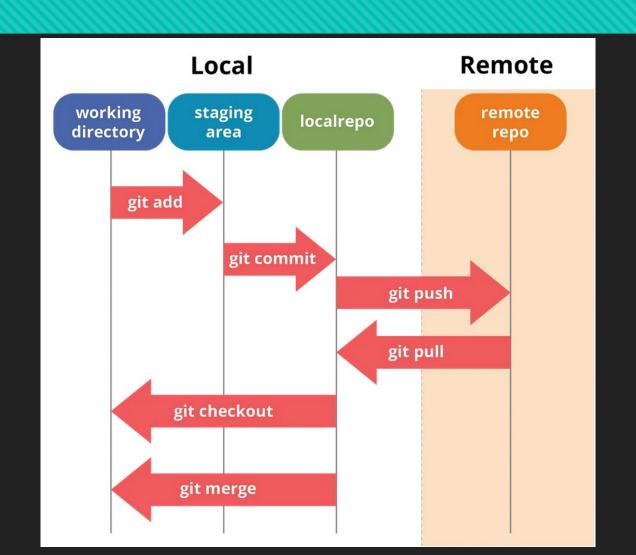
Git new repository

Start a new repository in your local folder

```
git init
```

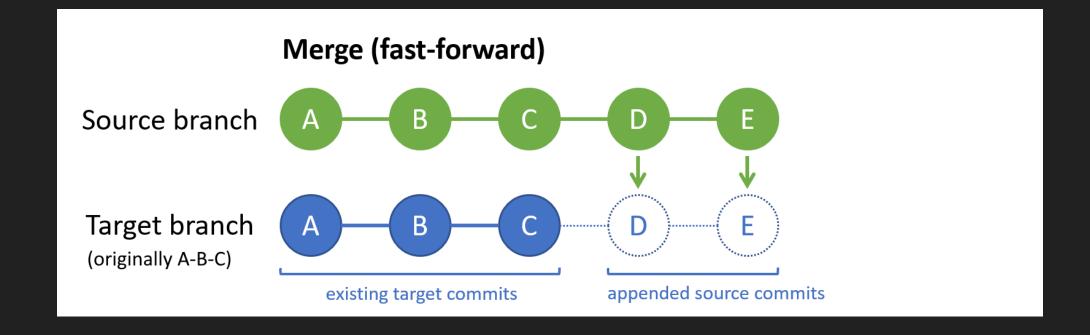
download a repository from github / gitlab into your computer

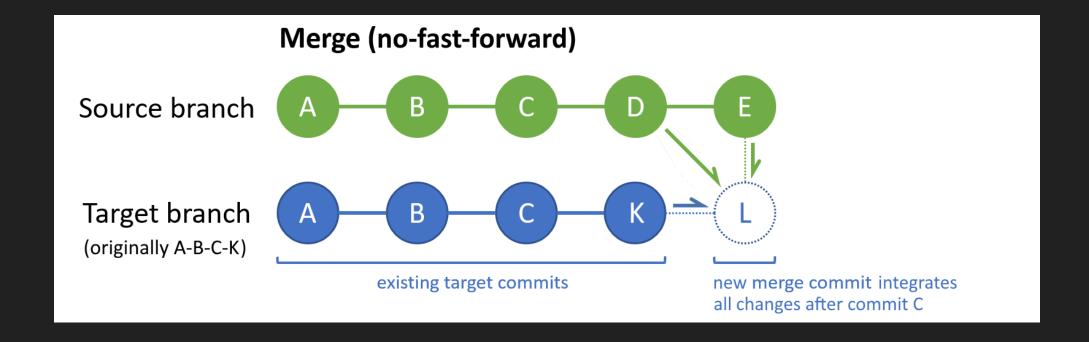
```
git clone <repo>
```

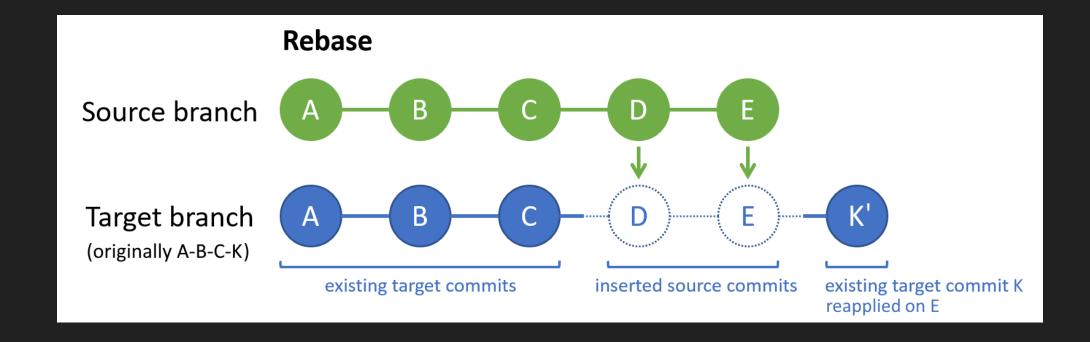


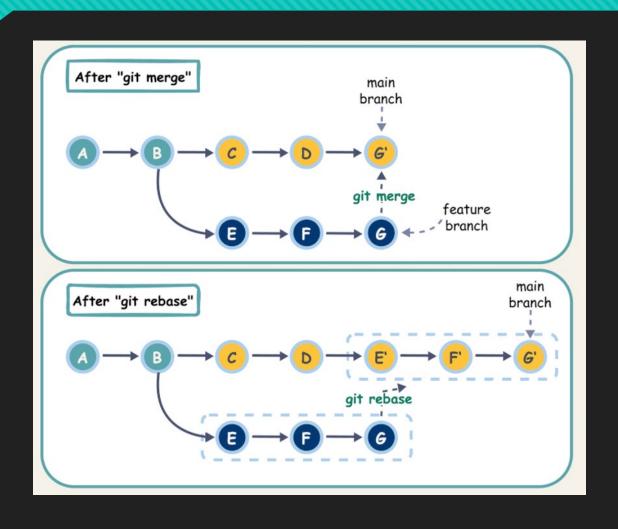
Git basic operations

- initialize
- o add
- commit
- O pull
- o push
- branching
- o merging
- rebasing









git merge conflict

```
// colors.txt
     // in master, you have both created a branch from here
     red
     yellow
     blue
     // commit in your branch
     red
    green
     blue
13
     // commit in his branch
     red
     white
```

git merge conflict

```
colors.txt ×
src > (a) colors.txt
        red
        Accept Current Change | Accept Incoming Change | Accept Both Changes | Compare Changes
        <><<< HEAD (Current Change)
        green
        white
        >>>>> his-branch (Incoming Change)
        blue
 PROBLEMS OUTPUT
                  DEBUG CONSOLE
                               TERMINAL
 react-app-demo / my-branch git merge his-branch
 Auto-merging src/colors.txt
 CONFLICT (content): Merge conflict in src/colors.txt
 Automatic merge failed; fix conflicts and then commit the result.
```

git merge conflict

```
// resolved colors.txt
02
03
     // Accept current change
04
     red
05
     green
06
     blue
07
08
     // Accept incoming change
09
     red
10
     white
     blue
13
     // Accept both changes
14
     red
15
     green
     white
```