

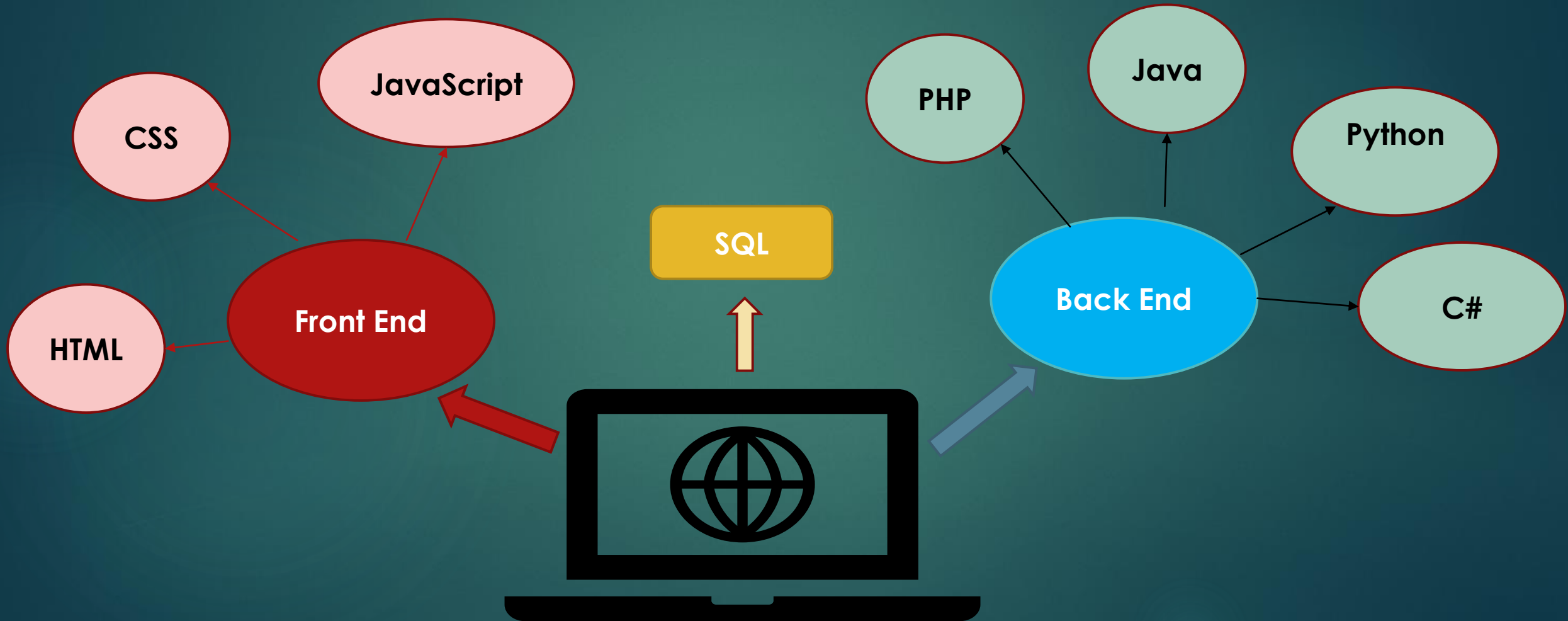


Pre_Intern Course

For

Web Development

Web Development



1. Git

2. HTML & CSS

3. JavaScript

4. SQL

5. PHP

6. Intro to Adobe XD



GIT: Version Control

Git

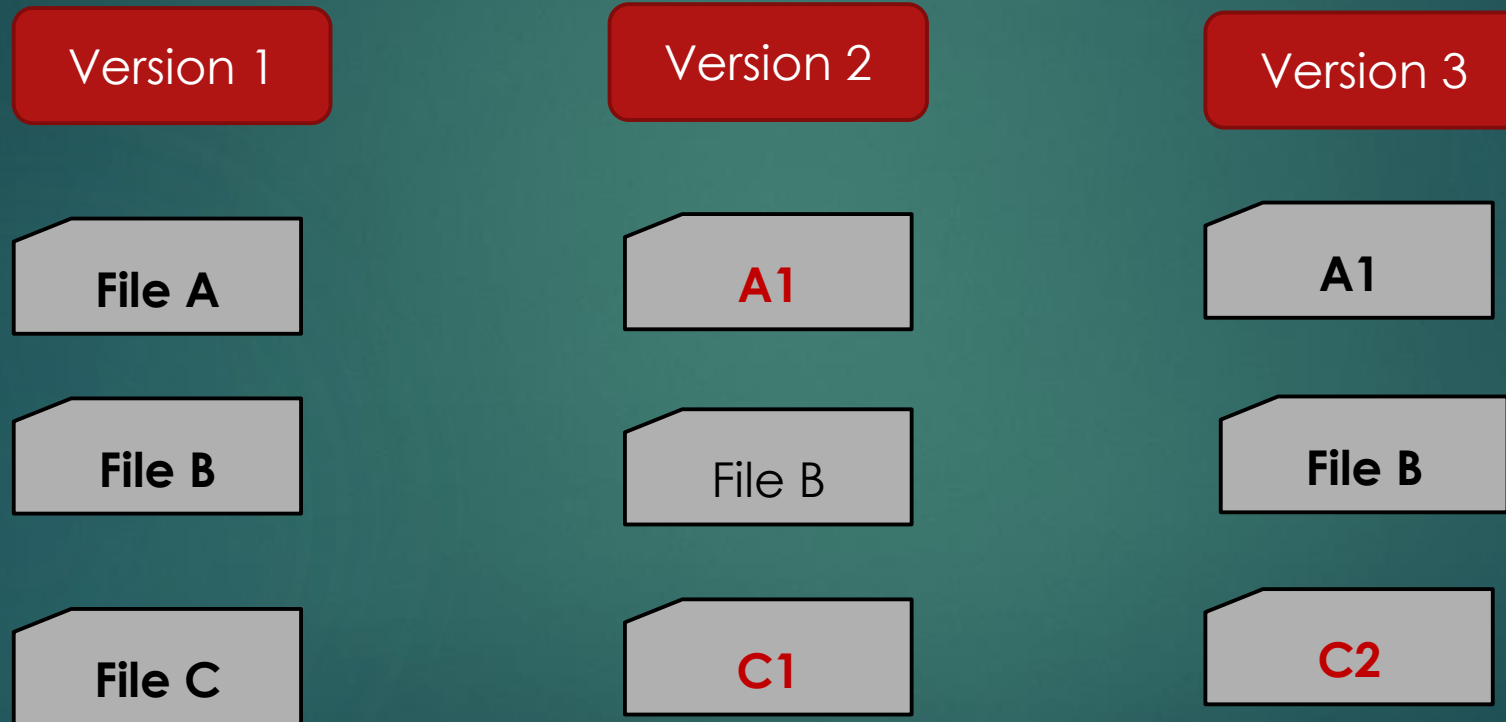
- ▶ How do we keep track of different versions of our code?

```
<html>
<head>
  <title> Pre_Intern Course</title>
</head>
<body>
  Hello World!
</body>
</html>
```



```
<html>
<head>
  <title> Pre_Intern Course</title>
</head>
<body>
  Hello World!
  Welcome to our group.
</body>
</html>
```

Versions Over Time



Git

- ▶ How do we collaborate with other people?



Git

- ▶ How to synchronize the code among people?

```
<html>
<head>
<title> Pre_Intern Course</title>
</head>
<body>
  Hello World!
  Welcome to our group.
  <p> This is first paragraph. </p>
</body>
</html>
```

```
<html>
<head>
<title> Pre_Intern Course</title>
</head>
<body>
  Hello World!
  Welcome to our group.
  <p> This is first paragraph. </p>
  <p> This is second paragraph. </p>
  <p> This is third paragraph. </p>
</body>
</html>
```

```
<html>
<head>
<title> Pre_Intern Course</title>
</head>
<body>
  Hello World!
  Welcome to our group.
  <p> This is second paragraph. </p>
</body>
</html>
```

```
<html>
<head>
<title> Pre_Intern Course</title>
</head>
<body>
  Hello World!
  Welcome to our group.
  <p> This is thrid paragraph. </p>
</body>
</html>
```



Git

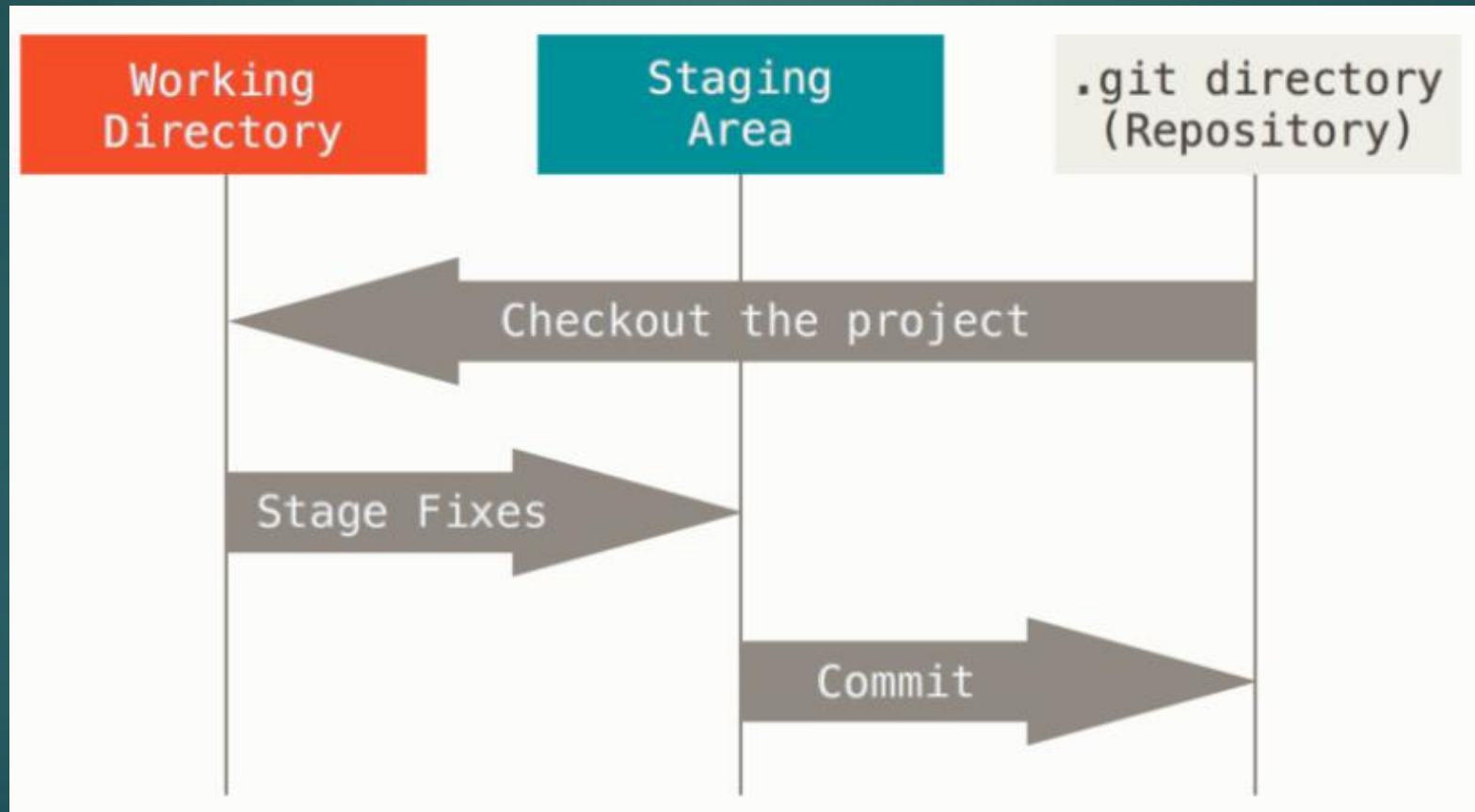
- ▶ How to keep original by testing the changes to the code

```
<html>
<head>
<title> Pre_Intern Course</title>
</head>
<body>
Hello World!
Welcome to our group.
</body>
</html>
```

```
<html>
<head>
<title> Pre_Intern Course</title>
</head>
<body>
Hello World!
Welcome to our group.
<?php
    $data= new WP_Query(array(
        'cat' => 13, // your post type name
    ));
    if($data->have_posts()):
        while($data->have_posts()) : $data->the_post();
        ?>
</body></html>
```

```
<html>
<head>
<title> Pre_Intern Course</title>
</head>
<body>
Hello World!
Welcome to our group.
<?php
    $data= new WP_Query(array(
        'cat' => 13, // your post type name
    ));
    if($data->have_posts()):
        while($data->have_posts()) : $data->the_post();
        ?>
</body></html>
```

Three Stages



Git Hub

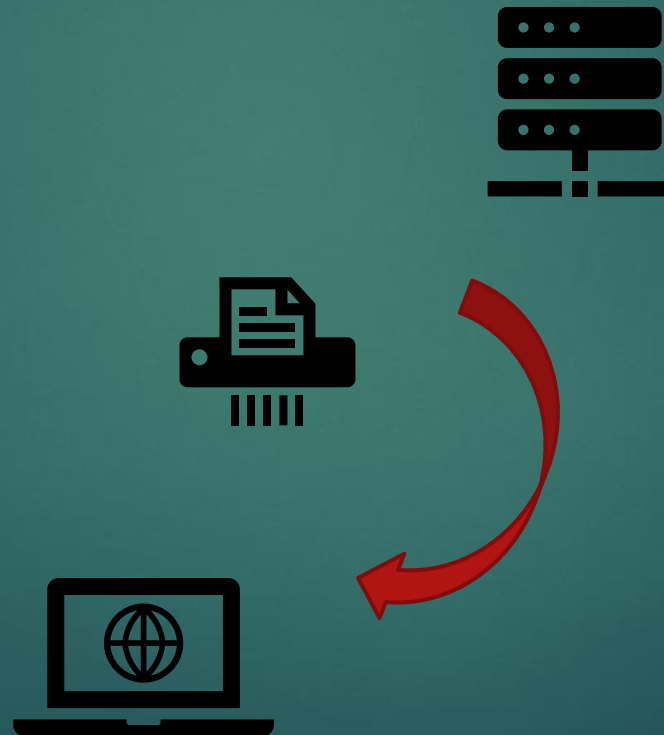
- ▶ a website whose purpose in life is to store Git repositories on the internet.
- ▶ Repository: a place to keep track of code and all the changes to code

1. Create a repository

- ▶ Login the github account in github.com
- ▶ Create a repository in github
- ▶ Copy a repo URL

git clone <url>

- ▶ To copy or download remote version of your code into local repository



git add

- ▶ `git add <filename>`
- ▶ to take some number of files, and tell Git that these are files that we want to include the next time we make a commit

```
<html>
<head>
<title> Pre_Intern Course</title>
</head>
<body>
  Hello World!
  Welcome to our group.
</body>
</html>
```



git commit

- ▶ save a new version of your repository in that moment
- ▶ `git commit -m "message"`

```
<html>
<head>
  <title> Pre_Intern
  Course</title>
</head>
<body>
  Hello World!
  Welcome to our group.
</body>
</html>
```



git status



git push

- ▶ Push the changes to remote repository

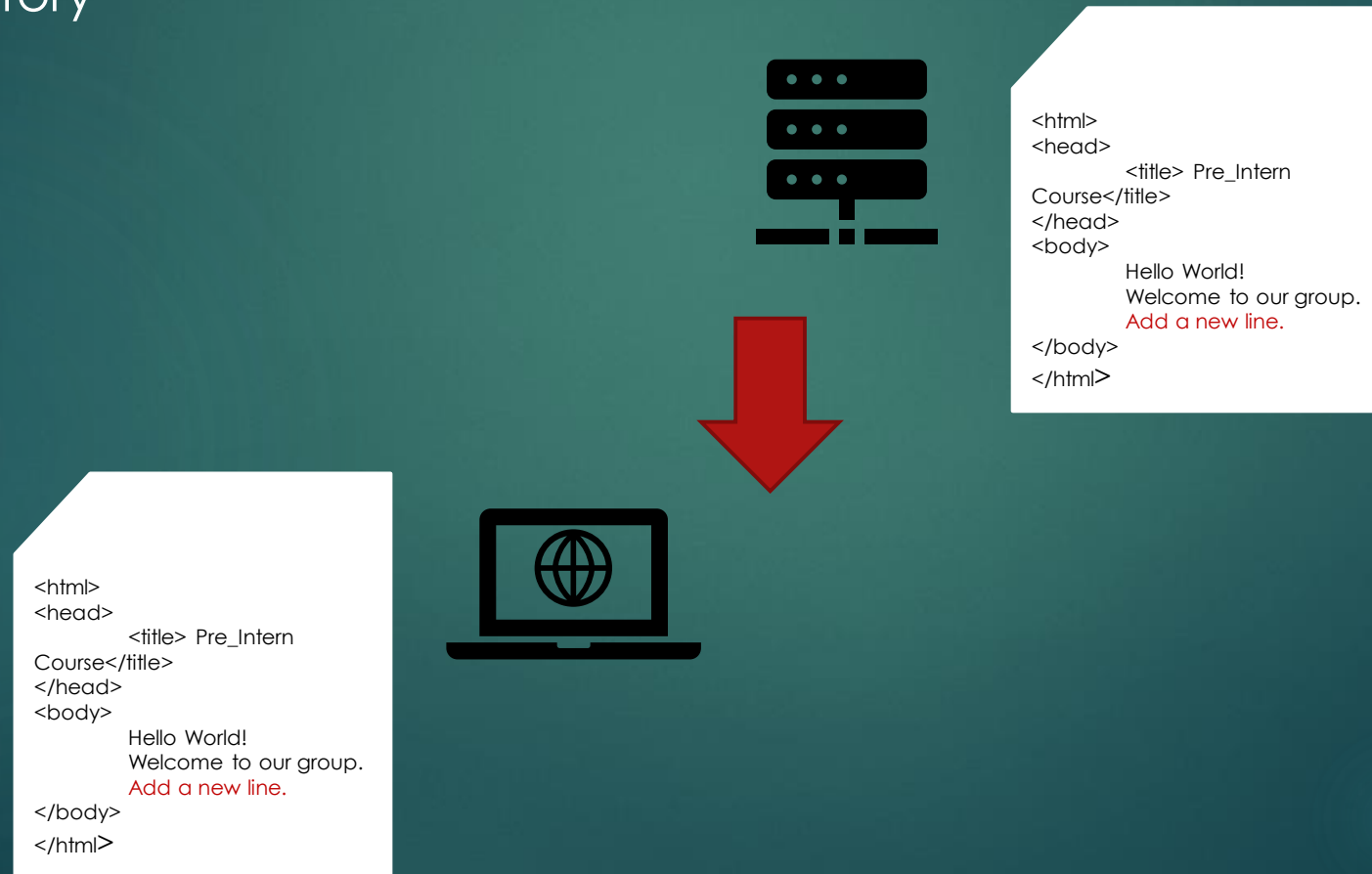
```
<html>
<head>
  <title> Pre_Intern
  Course</title>
</head>
<body>
  Hello World!
  Welcome to our group.
</body>
</html>
```



```
<html>
<head>
  <title> Pre_Intern
  Course</title>
</head>
<body>
  Hello World!
  Welcome to our group.
</body>
</html>
```

git pull

- ▶ To download the latest version of the repository into current local repository



Merge Conflicts

```
<html>
<head>
  <title> Pre_Intern
  Course</title>
</head>
<body>
  Hello World!
  Welcome to our group.
  Updated third line.
</body>
</html>
```



```
<html>
<head>
  <title> Pre_Intern
  Course</title>
</head>
<body>
  Hello World!
  Welcome to our group.
  Add a new line.
</body>
</html>
```



Merge Conflicts

- ▶ Combining different versions of code in same location, merge conflicts can occur.
- ▶ Remote repo နဲ့ local repo တို့ရဲ့ တနေရာတည်းမှာ ပြောင်းလဲမှုတွေ မတူတဲ့အခါ Pull လုပ်လိုက်လျှင် Merge conflict ပေါ်လာပါလိမ့်မယ်...
- ▶ When merge conflict occurs,
 - ▶ Codes between HEAD and all the equal signs are your changes (your local changes).
 - ▶ Codes between equal signs and >>> are remote changes .

Merge Conflicts

- ▶ All you need to do is remove all of the lines you don't want.
- ▶ Remove all of those less than, equal than, greater than lines and also remove whichever part of the code.
- ▶ ကိုယ်မလိုချင်တဲ့ အပိုင်းတွေကို ဖျက်ချလိုက်ပါ.... အဲလို ဖျက်ချတဲ့အခါ Head, <<< ,
===, >>> တွေပါ ဖျက်ချပြီး commit ပြန်လုပ်ကြည့်ပါ...
- ▶ ပီးရင် နောက်တခါ Pull လုပ်ကြည့်ပါ....

Git log and git reset

- ▶ Git log : to see the history what is happening in current history
- ▶ Git reset: to reset the contents of repository back to previous version
- ▶ 1. git reset --hard (commit hash number)
- ▶ 2. git reset --hard origin/master