

Exercise 03 - Gitlab and collaborative version control

My project:


1. Created a repository and pushed a simple HTML document.



The screenshot shows the GitLab web interface for a repository. At the top, there's a breadcrumb navigation: "main" (with a dropdown arrow) followed by "test / index.html". To the right are buttons for "Find file", "Blame", "History", and "Permalink". Below this is a section for the latest commit, showing a commit icon, the message "Upload New File", the author "Yogesh Kumar R" and time "11 minutes ago", and the commit hash "5ae36fe5" with a commit icon. The main area displays the file "index.html" (272 B) with a file icon. To the right of the filename are buttons for "Blame", "Edit" (highlighted in blue), "Replace", "Delete", and icons for "Diff", "Download", and "Raw". The file content is shown in a code editor with line numbers 1 through 12. The code is an HTML document with a DOCTYPE, lang="en", charset="UTF-8", viewport, and a title "Document". The body contains a comment and an h2 tag "Hello world".

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Document</title>
7 </head>
8 <body>
9   <!-- change the below text and push it -->
10  <h2>Hello world</h2>
11 </body>
12 </html>
```

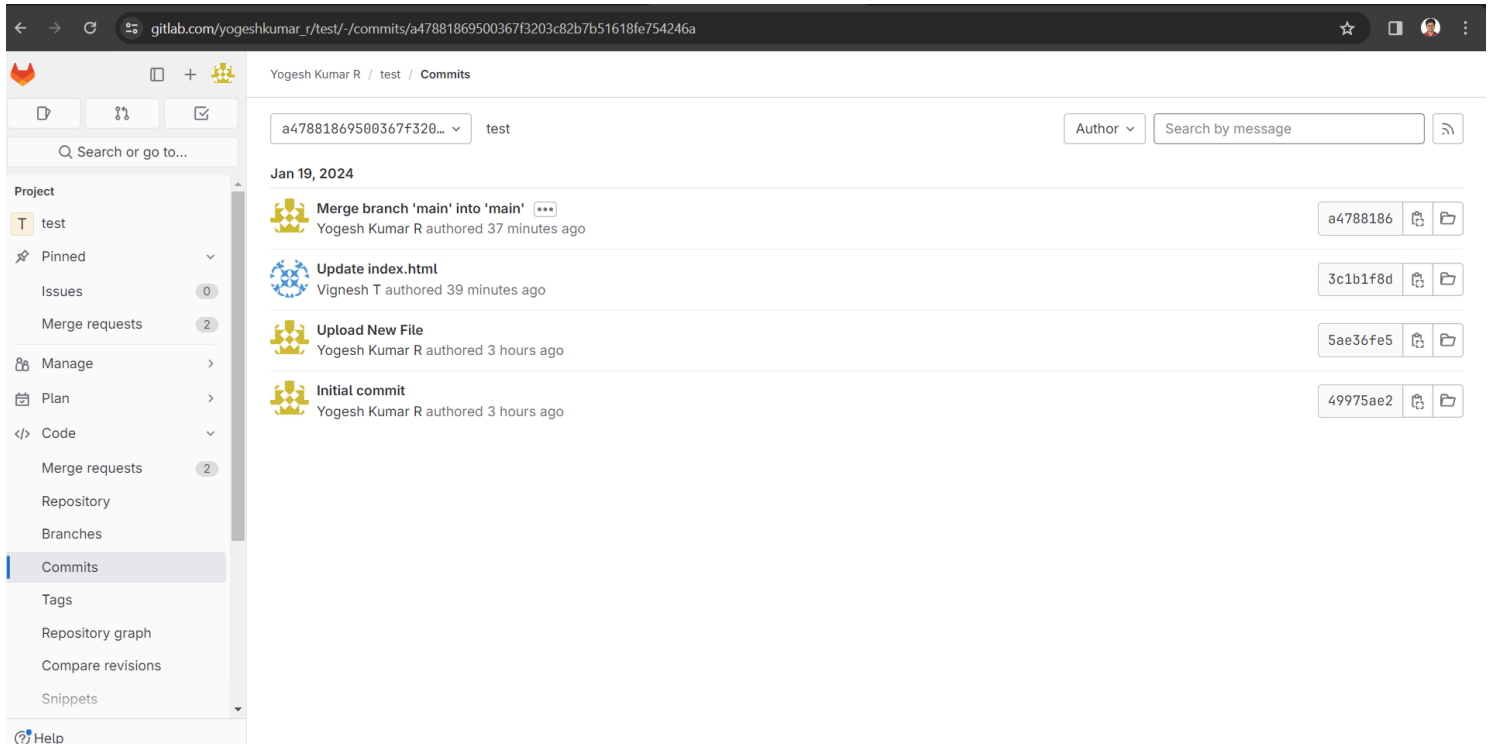
2. Created a new branch "Working branch" and made a small change



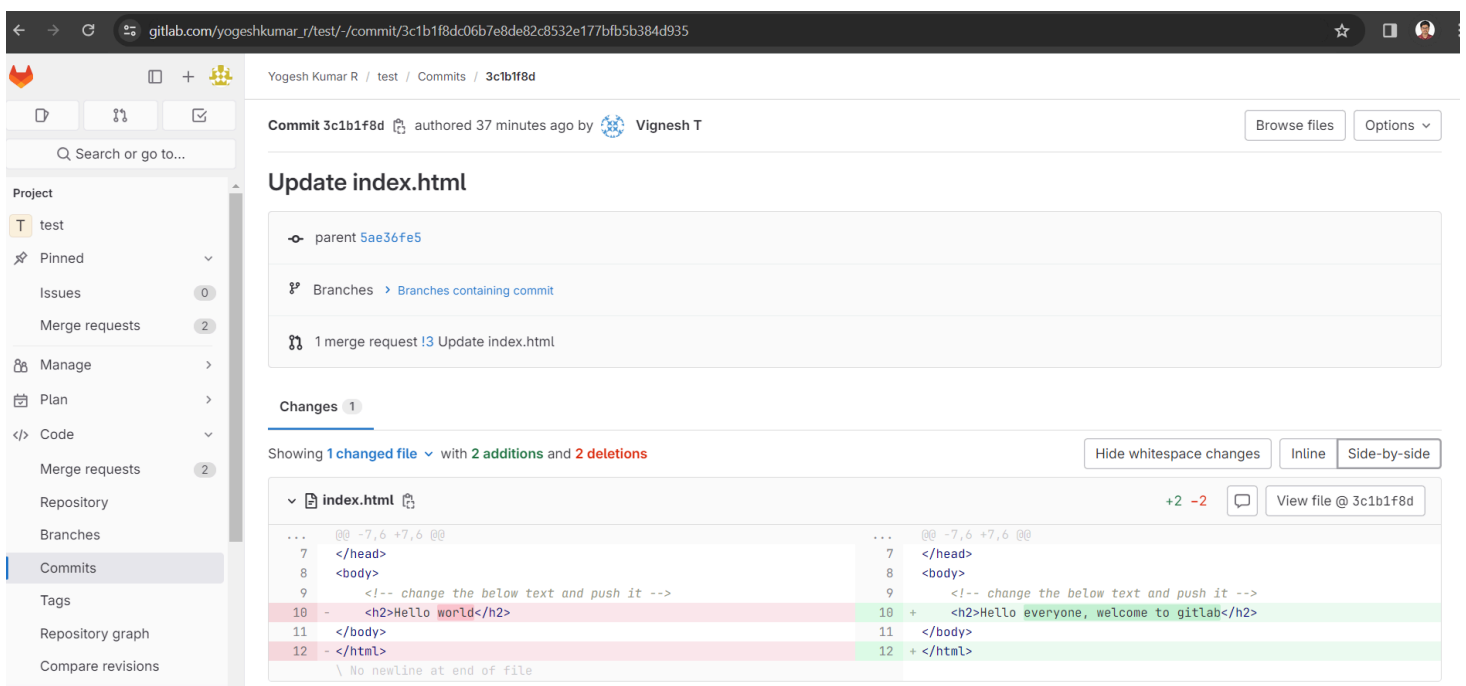
The screenshot shows the GitLab web interface for the same repository, but now on the "working-branch". The breadcrumb navigation shows "working-branch" (with a dropdown arrow) followed by "test / index.html". The buttons "Find file", "Blame", "History", and "Permalink" are still present. The commit section shows a commit icon, the message "Update index.html", the author "Yogesh Kumar R" and time "8 minutes ago", and the commit hash "a8255b63" with a commit icon. The main area displays the file "index.html" (276 B) with a file icon. To the right of the filename are buttons for "Blame", "Edit" (highlighted in blue), "Replace", "Delete", and icons for "Diff", "Download", and "Raw". The file content is shown in a code editor with line numbers 1 through 13. The code is an HTML document, similar to the first one, but the h2 tag now says "Branch changed".

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Document</title>
7 </head>
8 <body>
9   <!-- change the below text and push it -->
10  <h2>Branch changed</h2>
11 </body>
12 </html>
13
```

3. Shared the repository link to my batchmate and he made a small change and requested to merge the changes.



4. Approved the merge request



Reviewed Project:

1. Forked the project from my batchmate

The screenshot shows the GitLab web interface for a project named 'Testing clone'. The left sidebar contains navigation links: Project, Pinned, Issues (0), Merge requests (0), Manage, Plan, Code, Merge requests (0), Repository, Branches, Commits (selected), Tags, Repository graph, Compare revisions, and Snippets. The main content area displays the commit details for commit 3d202617, authored 1 hour ago by Vignesh T. The commit message is 'Upload New File'. Below the commit message, there is a section for 'Changes' showing 1 changed file with 32 additions and 0 deletions. The file 'Main.java' is selected, showing a diff view with 32 additions and 0 deletions. The diff shows the following code changes:

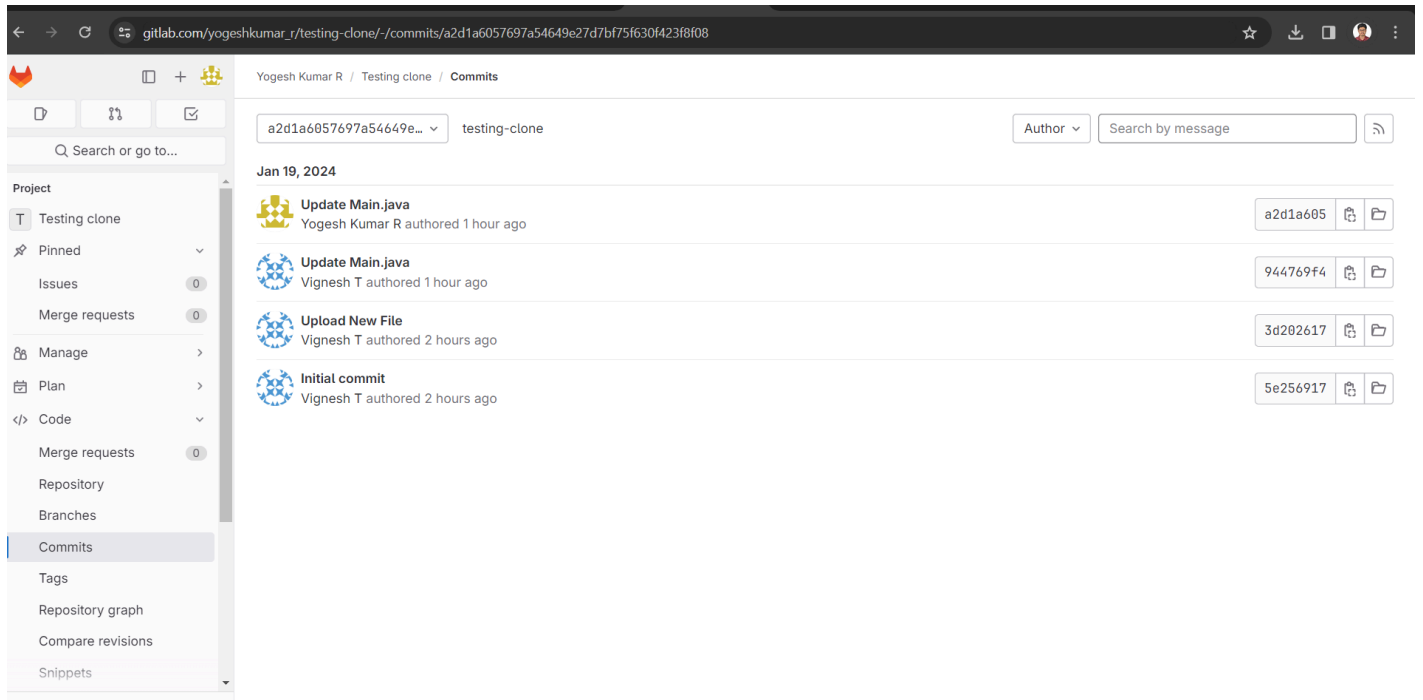
```
1 + import java.util.Scanner;
2 +
3 + public class Main {
4 +
5 +     public static void main(String[] args) {
6 +         Scanner sc = new Scanner(System.in);
7 +         int num = sc.nextInt();
8 +
9 +         if (num == 0) {
10 +             System.out.println("The given number is neither prime
```

2. Reviewed and made changes to the file

The screenshot shows the GitLab web interface for a project named 'Testing clone'. The left sidebar contains navigation links: Project, Pinned, Issues (0), Merge requests (0), Manage, Plan, Code, Merge requests (0), Repository, Branches, Commits (selected), Tags, Repository graph, Compare revisions, and Snippets. The main content area displays the commit details for commit a2d1a605, authored 1 hour ago by Yogesh Kumar R. The commit message is 'Update Main.java'. Below the commit message, there is a section for 'Changes' showing 1 changed file with 2 additions and 2 deletions. The file 'Main.java' is selected, showing a diff view with 2 additions and 2 deletions. The diff shows the following code changes:

```
... @@ -6,8 +6,8 @@ public class Main {
6     public static void main(String[] args) {
7         Scanner sc = new Scanner(System.in);
8         int num = sc.nextInt();
9 -         if (num == 0) {
10 -             System.out.println("The given number is neither prime
11             nor composite");
12         } else {
13             if (isPrime(num)) {
... @@ -6,8 +6,8 @@ public class Main {
6     public static void main(String[] args) {
7         Scanner sc = new Scanner(System.in);
8         int num = sc.nextInt();
9 +         //change made below
10 +         if (num == 0 && num == 1) {
11             System.out.println("The given number is neither prime
12             nor composite");
13         } else {
14             if (isPrime(num)) {
```

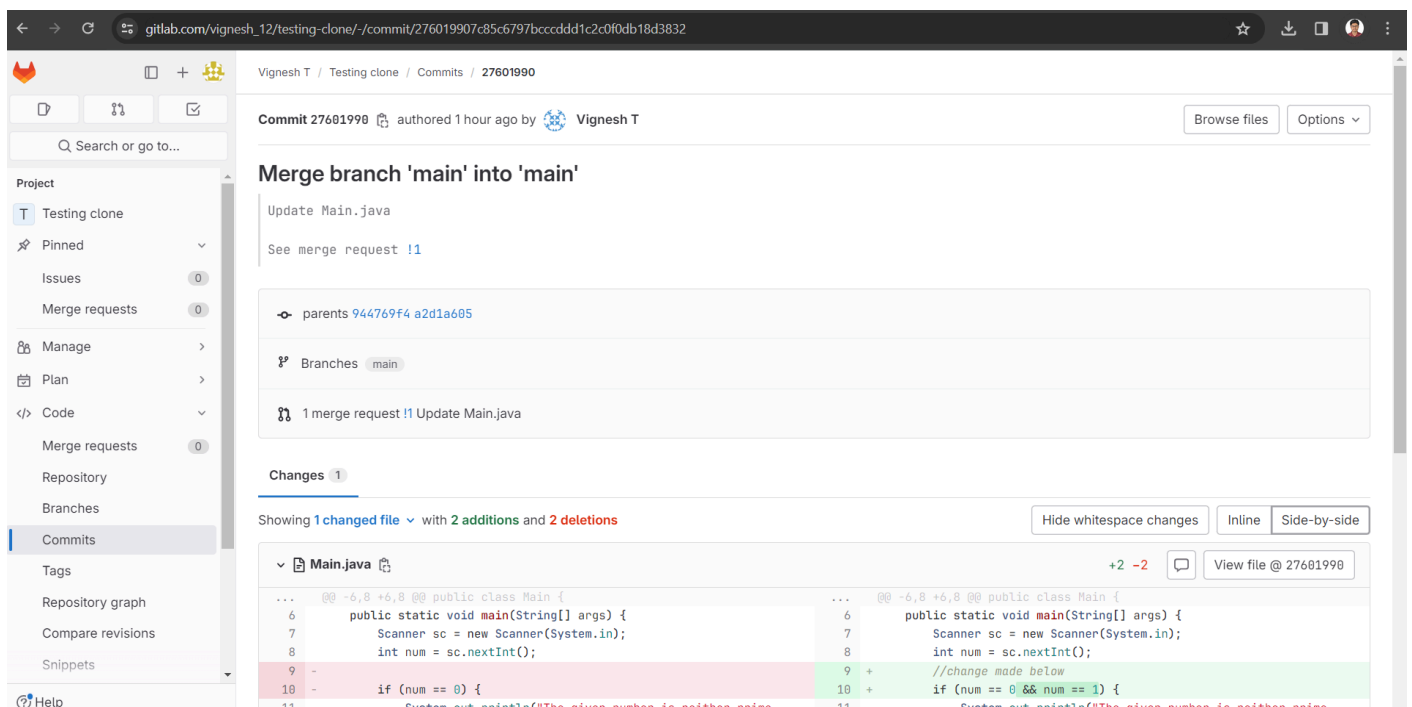
3. Requested to merge



The screenshot shows the GitHub interface for a repository named 'testing-clone' by user 'Yogesh Kumar R'. The left sidebar contains navigation links: Project, Pinned, Issues (0), Merge requests (0), Manage, Plan, Code, Merge requests (0), Repository, Branches, Commits (selected), Tags, Repository graph, Compare revisions, and Snippets. The main content area displays a list of commits for the 'testing-clone' branch. The commits are as follows:

Commit Hash	Author	Time	Message
a2d1a6057697a54649e...	Yogesh Kumar R	1 hour ago	Update Main.java
944769f4	Vignesh T	1 hour ago	Update Main.java
3d202617	Vignesh T	2 hours ago	Upload New File
5e256917	Vignesh T	2 hours ago	Initial commit

4. Merge request Approved



The screenshot shows the GitHub interface for a Merge Request (MR) titled 'Merge branch 'main' into 'main''. The MR is authored by 'Vignesh T' and is for the '27601990' commit. The left sidebar is the same as in the previous screenshot. The main content area shows the MR details, including the commit hash '27601990' and the author 'Vignesh T'. The MR is for the 'Update Main.java' file. The 'Changes' section shows the diff for 'Main.java', indicating 1 changed file with 2 additions and 2 deletions. The diff is as follows:

```
@@ -6,8 +6,8 @@ public class Main {
6     public static void main(String[] args) {
7         Scanner sc = new Scanner(System.in);
8         int num = sc.nextInt();
9 -
10 -     if (num == 0) {
11         System.out.println("The given number is neither prime
```