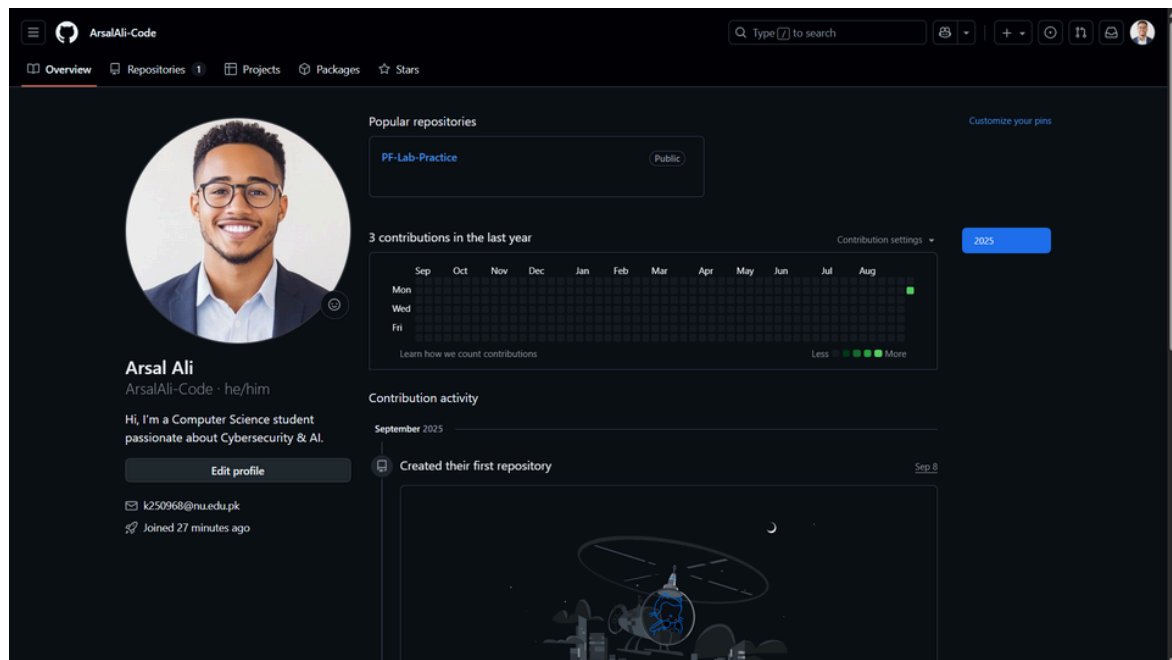
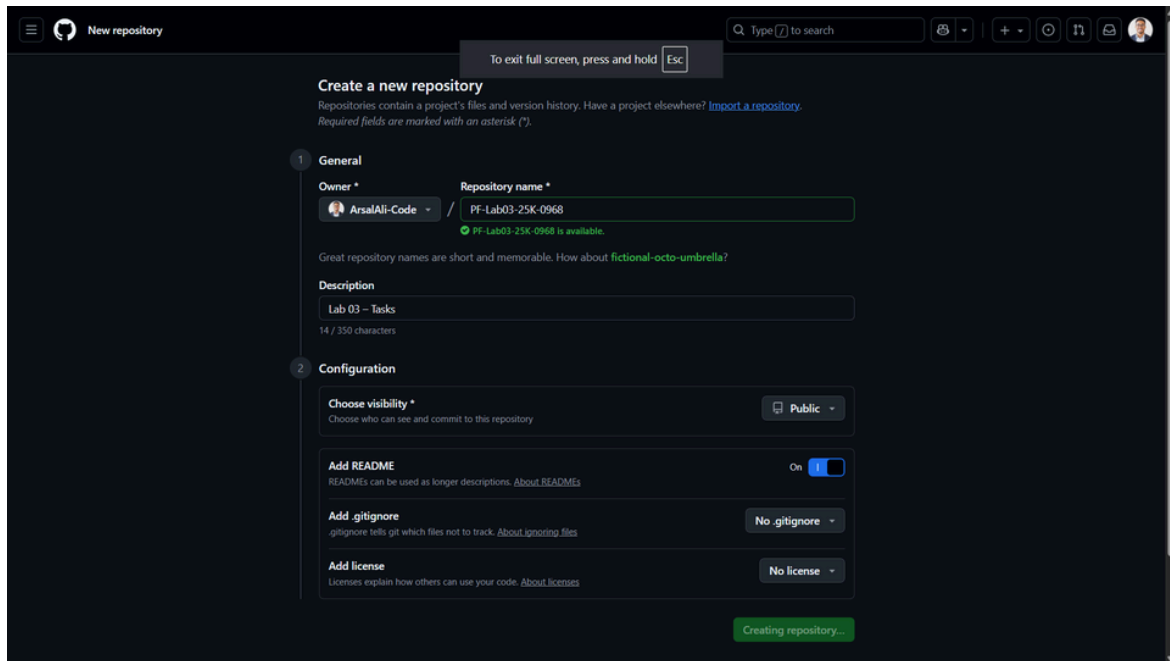


Task 1: GitHub Profile



Task 2: First Repository



The screenshot shows the 'New repository' page on GitHub. The page is titled 'Create a new repository' and includes a sub-header: 'Repositories contain a project's files and version history. Have a project elsewhere? [Import a repository.](#) Required fields are marked with an asterisk (*).' The page is divided into two sections: 'General' and 'Configuration'.

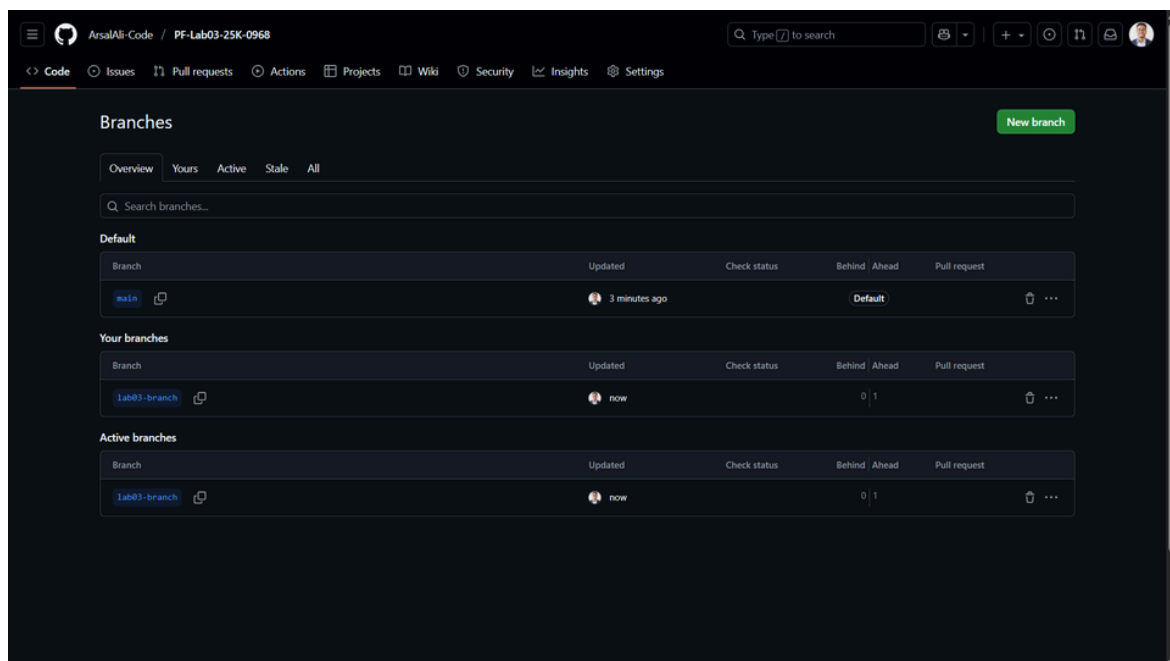
General

- Owner ***: A dropdown menu showing 'ArsalAli-Code'.
- Repository name ***: A text input field containing 'PF-Lab03-25K-0968'. A green checkmark indicates 'PF-Lab03-25K-0968 is available.' Below the field, a note says: 'Great repository names are short and memorable. How about [fictional-octo-umbrella?](#)'
- Description**: A text input field containing 'Lab 03 - Tasks'. Below the field, it says '14 / 350 characters'.

Configuration

- Choose visibility ***: A dropdown menu showing 'Public'.
- Add README**: A toggle switch labeled 'On' with a blue bar.
- Add .gitignore**: A dropdown menu showing 'No .gitignore'.
- Add license**: A dropdown menu showing 'No license'.

At the bottom right, there is a green button labeled 'Creating repository...'.



The screenshot shows the repository page for 'PF-Lab03-25K-0968' on GitHub. The page is titled 'Branches' and includes a sub-header: 'New branch'. The page is divided into three sections: 'Overview', 'Your branches', and 'Active branches'.

Overview

Search branches...

Default

Branch	Updated	Check status	Behind / Ahead	Pull request
main	3 minutes ago		Default	

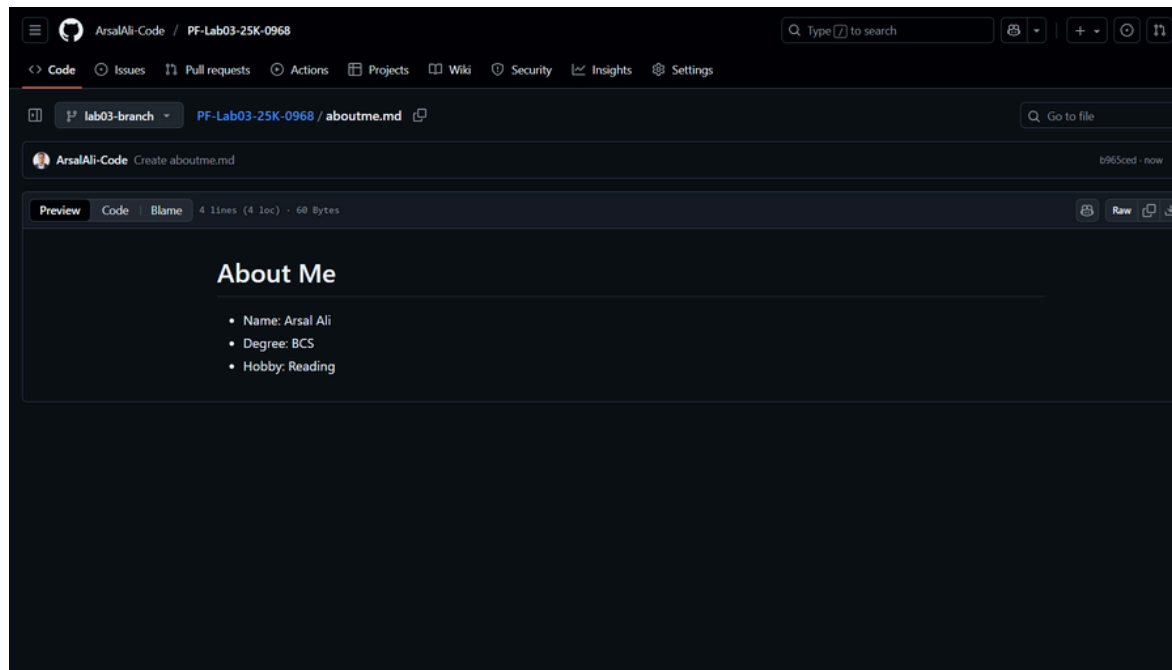
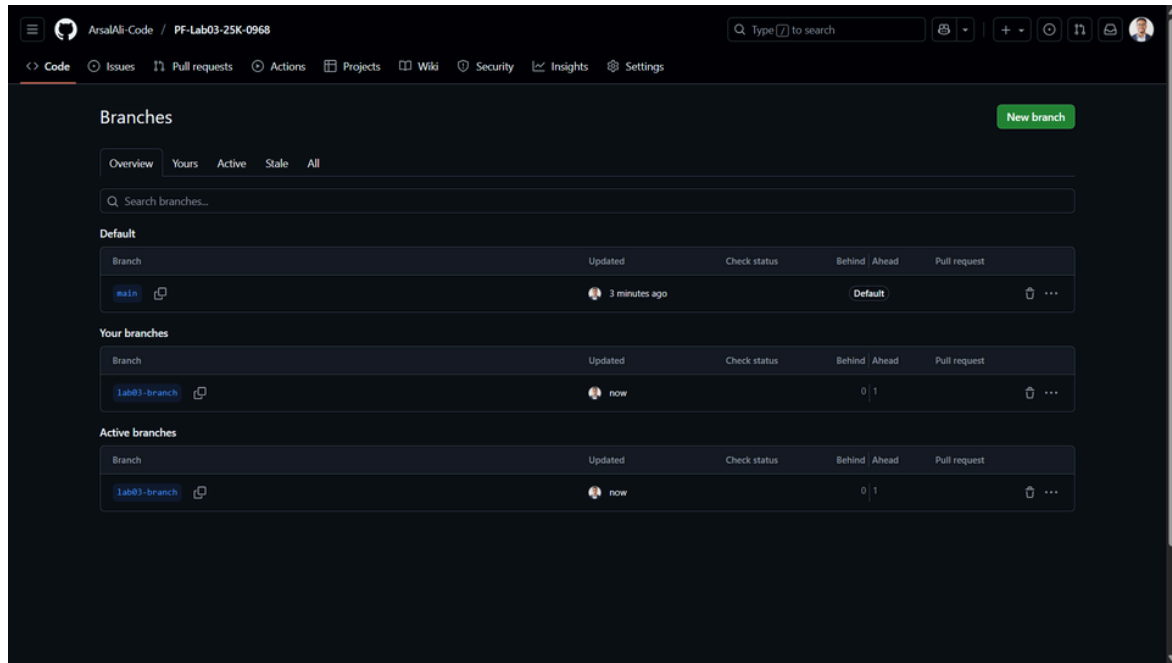
Your branches

Branch	Updated	Check status	Behind / Ahead	Pull request
lab03-branch	now		0 1	

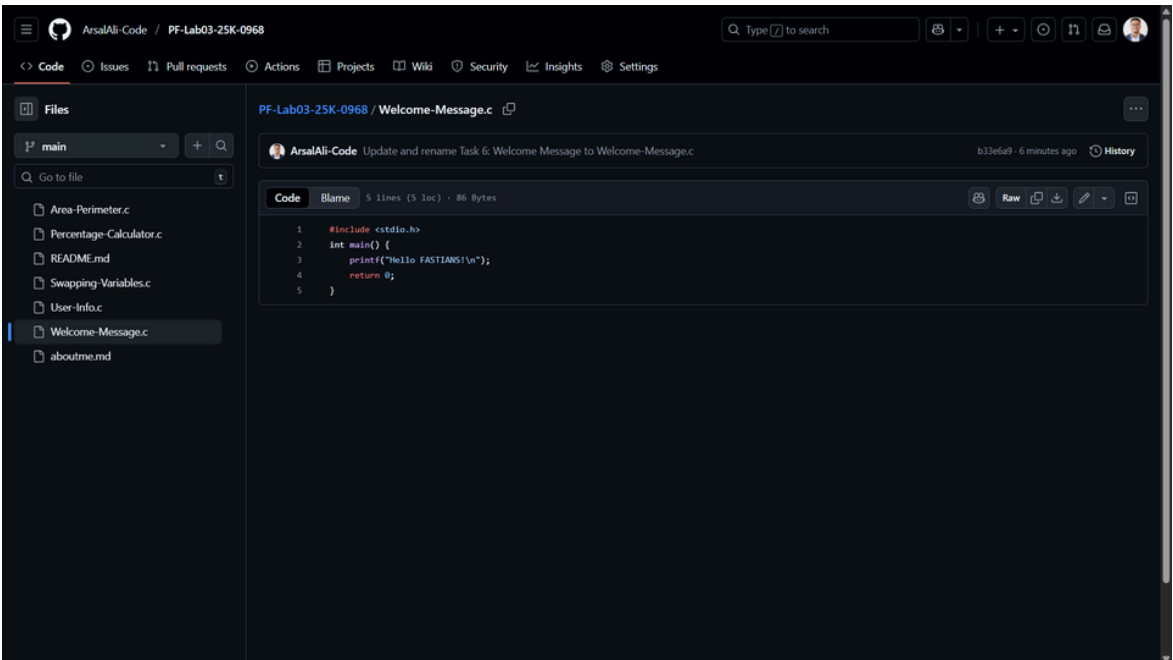
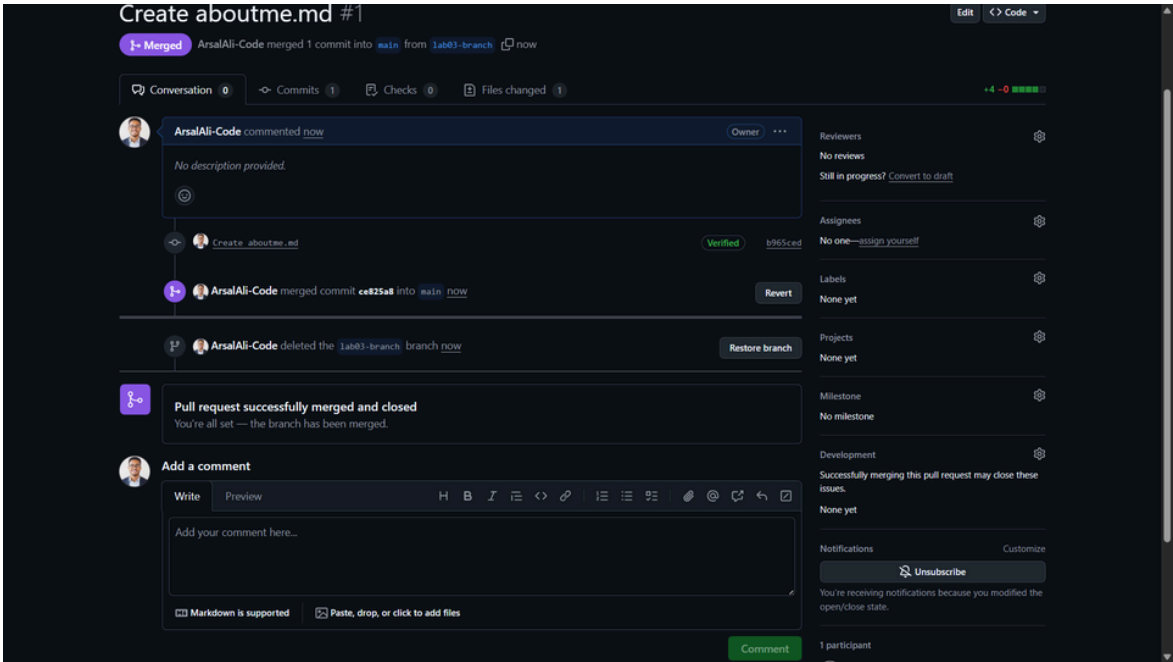
Active branches

Branch	Updated	Check status	Behind / Ahead	Pull request
lab03-branch	now		0 1	

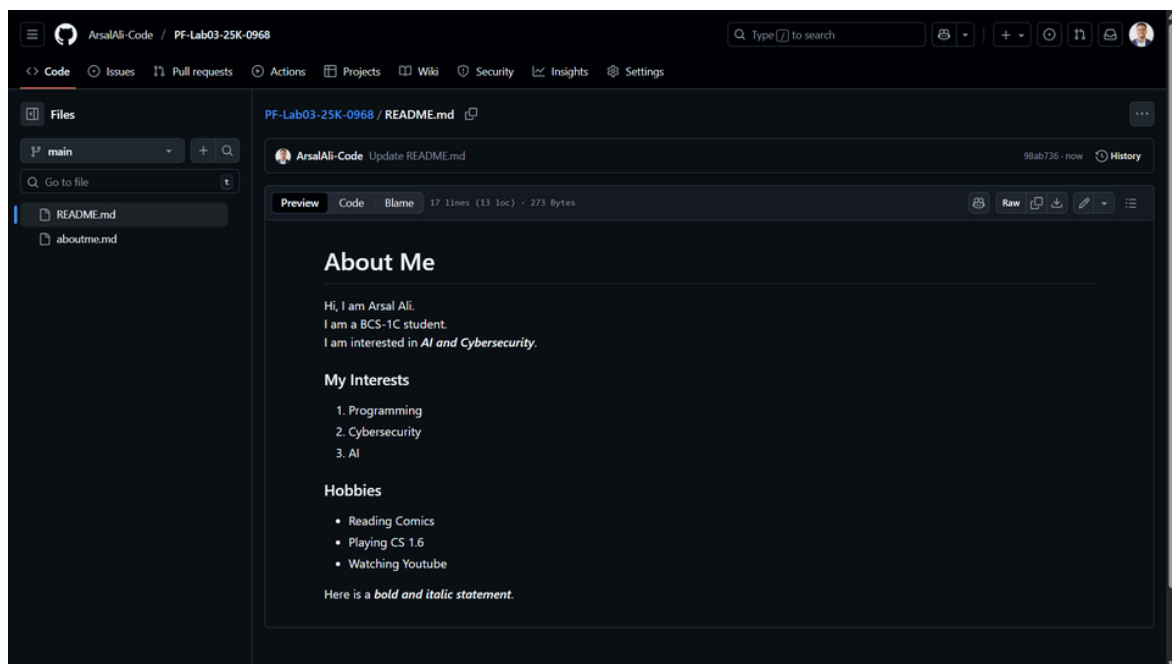
Task 3: Create Branch & File



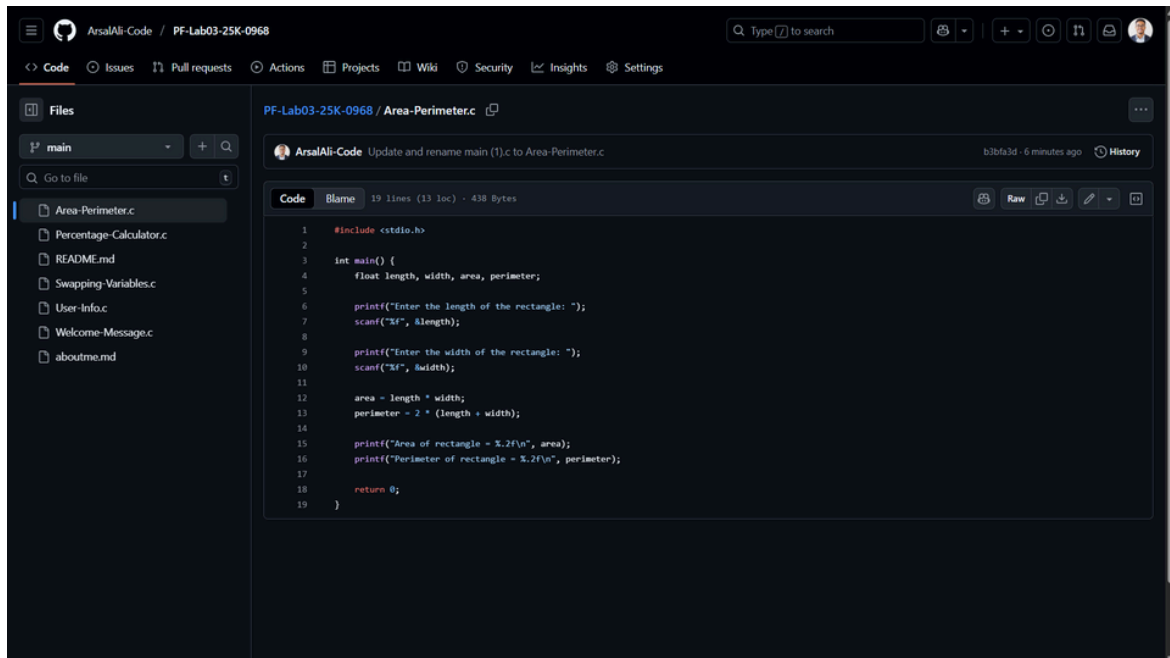
Task 4: Pull Request Merge & Delete



Task 5: Markdown Formatting



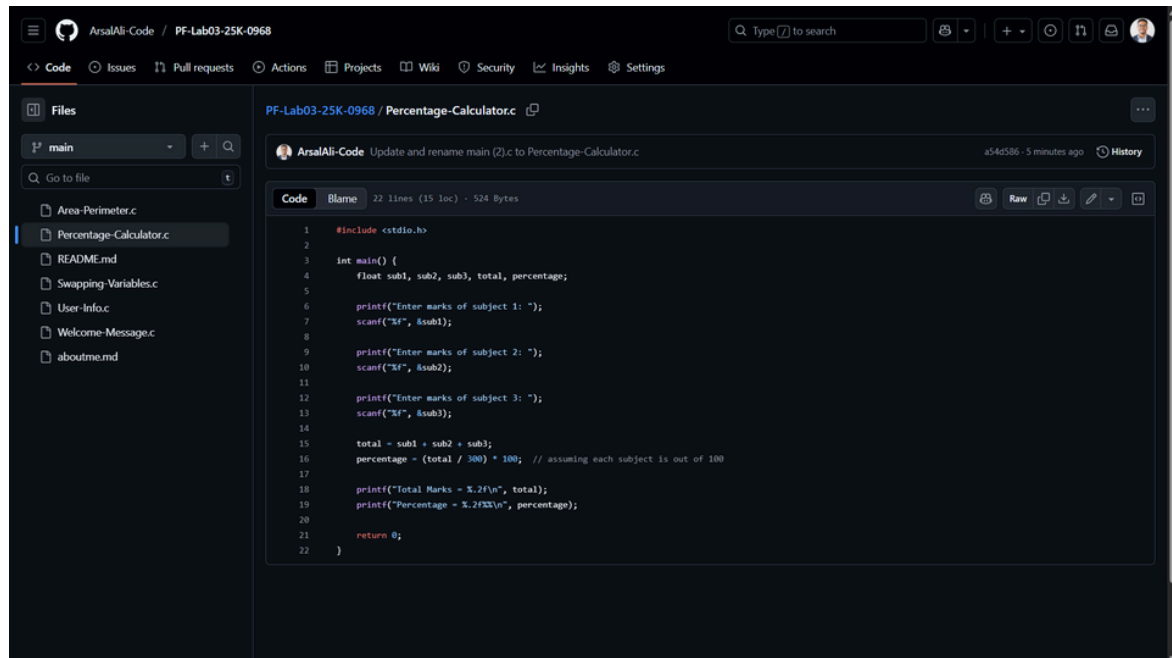
Task 6: Welcome Message



The screenshot displays a GitHub repository for 'PF-Lab03-25K-0968'. The file 'Area-Perimeter.c' is selected in the left sidebar. The main area shows the code for this file, which is a C program that prompts the user for the length and width of a rectangle, calculates the area and perimeter, and prints the results. The code is as follows:

```
1  #include <stdio.h>
2
3  int main() {
4      float length, width, area, perimeter;
5
6      printf("Enter the length of the rectangle: ");
7      scanf("%f", &length);
8
9      printf("Enter the width of the rectangle: ");
10     scanf("%f", &width);
11
12     area = length * width;
13     perimeter = 2 * (length + width);
14
15     printf("Area of rectangle = %.2f\n", area);
16     printf("Perimeter of rectangle = %.2f\n", perimeter);
17
18     return 0;
19 }
```

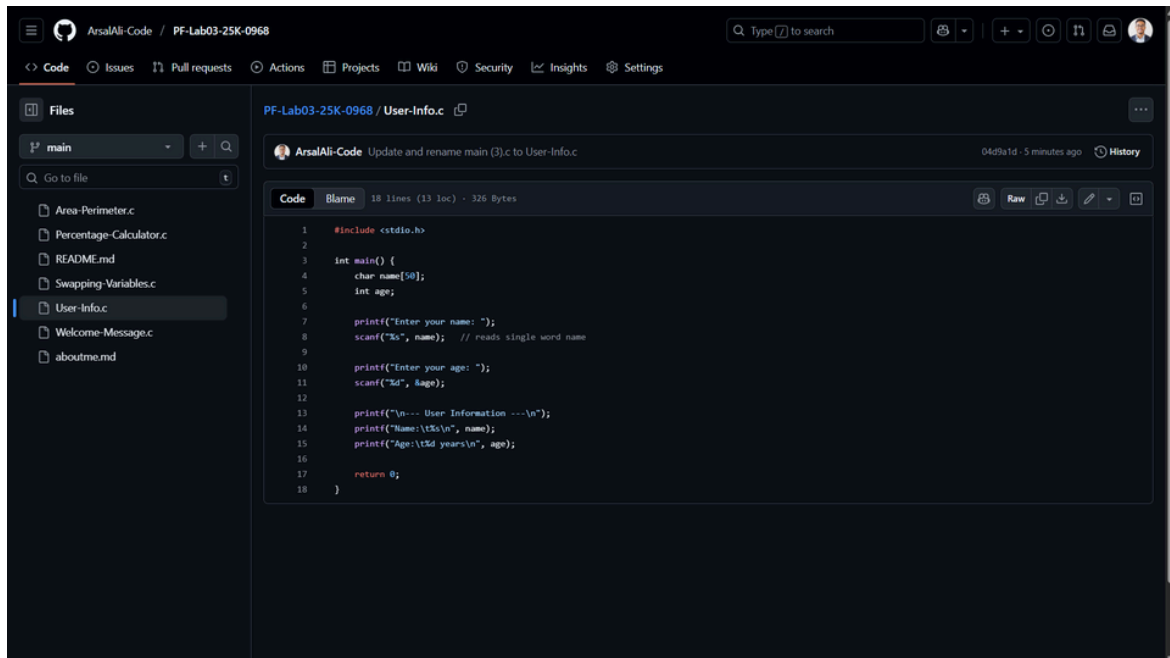
Task 7: Area and Perimeter of a Rectangle



The screenshot shows a code editor interface with a dark theme. The top bar displays the repository name 'ArsalAli-Code / PF-Lab03-25K-0968' and a search bar. The left sidebar shows a file explorer with a list of files: 'main', 'Area-Perimeter.c', 'Percentage-Calculator.c', 'README.md', 'Swapping-Variables.c', 'User-Info.c', 'Welcome-Message.c', and 'aboutme.md'. The main editor area shows the code for 'Percentage-Calculator.c', which is a C program that calculates the area and perimeter of a rectangle. The code is as follows:

```
1  #include <stdio.h>
2
3  int main() {
4      float sub1, sub2, sub3, total, percentage;
5
6      printf("Enter marks of subject 1: ");
7      scanf("%f", &sub1);
8
9      printf("Enter marks of subject 2: ");
10     scanf("%f", &sub2);
11
12     printf("Enter marks of subject 3: ");
13     scanf("%f", &sub3);
14
15     total = sub1 + sub2 + sub3;
16     percentage = (total / 300) * 100; // assuming each subject is out of 100
17
18     printf("Total Marks = %.2f\n", total);
19     printf("Percentage = %.2f%%\n", percentage);
20
21     return 0;
22 }
```

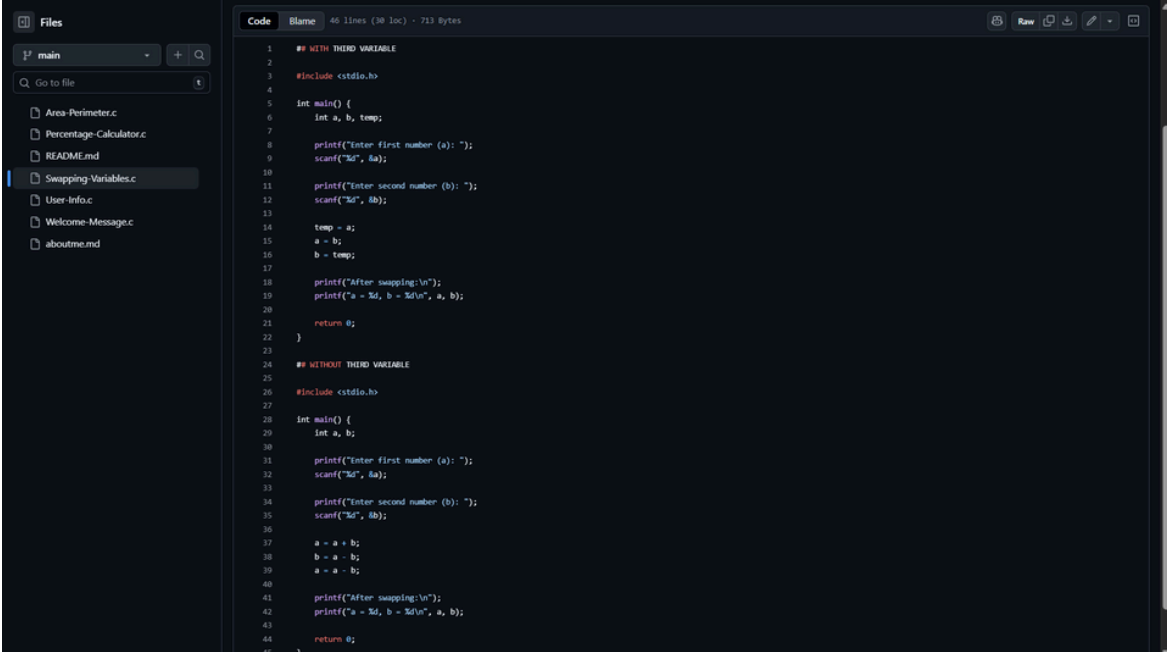
Task 8: Percentage Calculator



The screenshot shows a GitHub web interface for a repository named 'PF-Lab03-25K-0968' by user 'ArsalAli-Code'. The 'main' branch is selected, and the file 'User-Info.c' is open. The file's commit history shows an update and rename from 'main (3)' to 'User-Info.c' by '04d9a1d' 5 minutes ago. The code is a C program that prompts the user for their name and age, then prints the user's information.

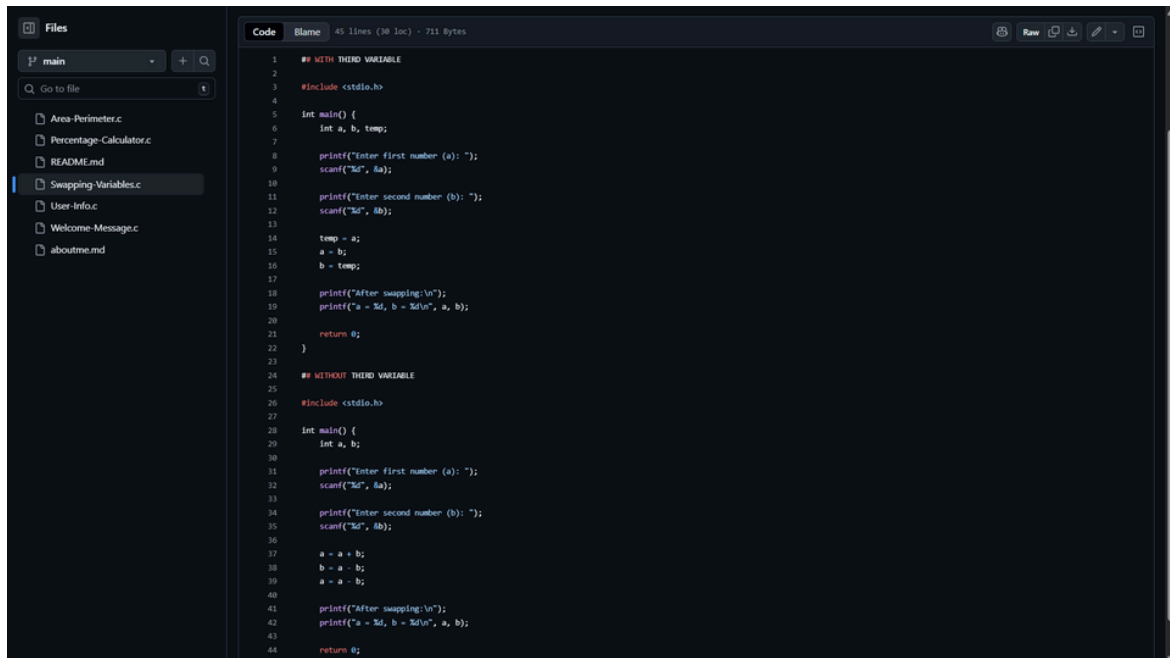
```
1  #include <stdio.h>
2
3  int main() {
4      char name[50];
5      int age;
6
7      printf("Enter your name: ");
8      scanf("%s", name); // reads single word name
9
10     printf("Enter your age: ");
11     scanf("%d", &age);
12
13     printf("\n--- User Information ---\n");
14     printf("Name: %s\n", name);
15     printf("Age: %d years\n", age);
16
17     return 0;
18 }
```


Task 9: User's Information



```
1  ## WITH THIRD VARIABLE
2
3  #include <stdio.h>
4
5  int main() {
6      int a, b, temp;
7
8      printf("Enter first number (a): ");
9      scanf("%d", &a);
10
11     printf("Enter second number (b): ");
12     scanf("%d", &b);
13
14     temp = a;
15     a = b;
16     b = temp;
17
18     printf("After swapping:\n");
19     printf("a = %d, b = %d\n", a, b);
20
21     return 0;
22 }
23
24 ## WITHOUT THIRD VARIABLE
25
26 #include <stdio.h>
27
28 int main() {
29     int a, b;
30
31     printf("Enter first number (a): ");
32     scanf("%d", &a);
33
34     printf("Enter second number (b): ");
35     scanf("%d", &b);
36
37     a = a + b;
38     b = a - b;
39     a = a - b;
40
41     printf("After swapping:\n");
42     printf("a = %d, b = %d\n", a, b);
43
44     return 0;
45 }
```

Task 10: Swapping Variables



```
1  ## WITH THIRD VARIABLE
2
3  #include <stdio.h>
4
5  int main() {
6      int a, b, temp;
7
8      printf("Enter first number (a): ");
9      scanf("%d", &a);
10
11     printf("Enter second number (b): ");
12     scanf("%d", &b);
13
14     temp = a;
15     a = b;
16     b = temp;
17
18     printf("After swapping:\n");
19     printf("a = %d, b = %d\n", a, b);
20
21     return 0;
22 }
23
24 ## WITHOUT THIRD VARIABLE
25
26 #include <stdio.h>
27
28 int main() {
29     int a, b;
30
31     printf("Enter first number (a): ");
32     scanf("%d", &a);
33
34     printf("Enter second number (b): ");
35     scanf("%d", &b);
36
37     a = a + b;
38     b = a - b;
39     a = a - b;
40
41     printf("After swapping:\n");
42     printf("a = %d, b = %d\n", a, b);
43
44     return 0;
45 }
```