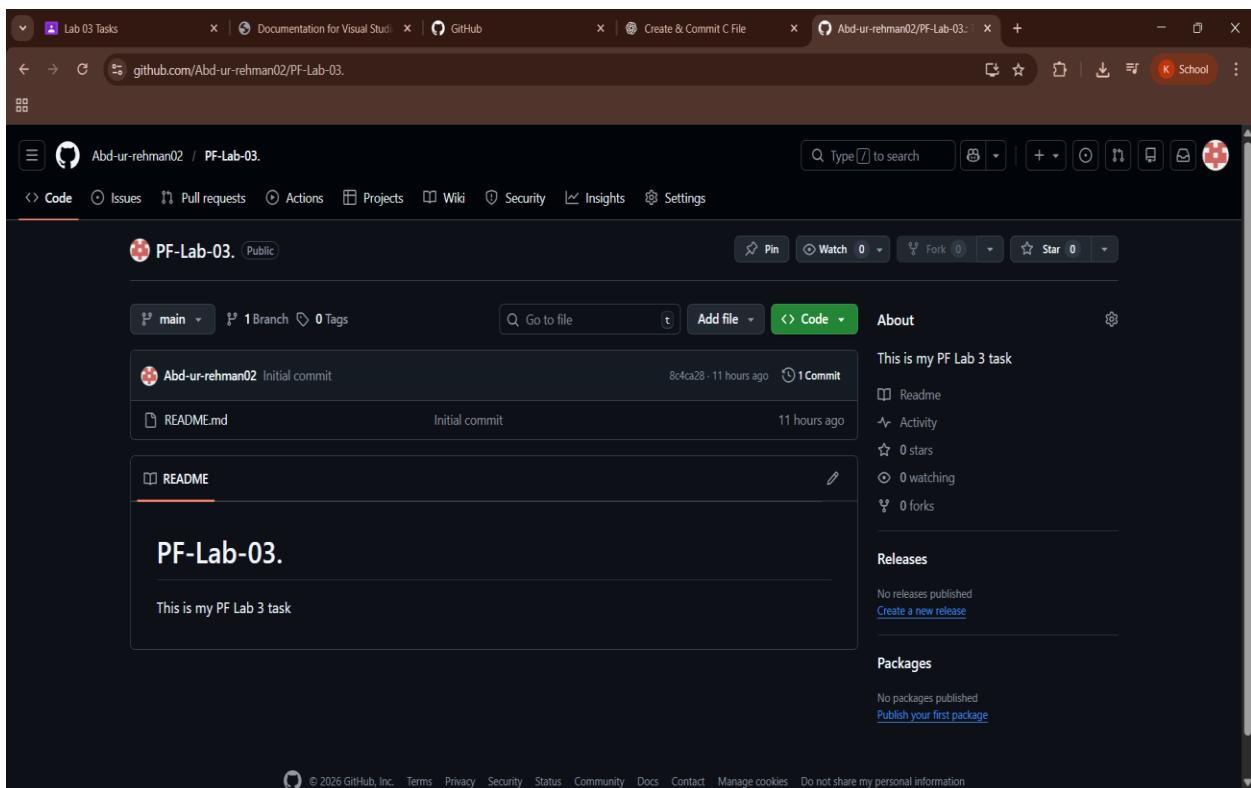


Task 1:



Task 2:

The screenshot shows a GitHub repository page for 'PF-Lab-03'. The repository name is 'PF-Lab-03' and the file being viewed is 'README.md'. The page displays the following content:

Programming Fundamentals – Lab 03

Name: Abdur-Rehman Roll Number: k25-6577

Lab Objectives

- Learn GitHub basics
- Practice Markdown formatting
- Understand basic C programming

Tasks Completed

- [1] GitHub repository created
- [2] README.md formatted
- [3] Branch created

Task 3:

```
MINGW64:/c/Users/Abdul Rehman/PF-Lab-03
$ ^C

Abdul Rehman@ABDURREHMAN MINGW64 ~
$ git clone https://github.com/Abd-ur-rehman02/PF-Lab-03.git
cloning into 'PF-Lab-03'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (6/6), done.

Abdul Rehman@ABDURREHMAN MINGW64 ~
$ cd PF-Lab-03

Abdul Rehman@ABDURREHMAN MINGW64 ~/PF-Lab-03 (main)
$ ls
README.md

Abdul Rehman@ABDURREHMAN MINGW64 ~/PF-Lab-03 (main)
$ git checkout -b k256577
Switched to a new branch 'k256577'

Abdul Rehman@ABDURREHMAN MINGW64 ~/PF-Lab-03 (k256577)
$ |
```

The screenshot shows a GitHub repository named 'PF-Lab-03' on a Windows operating system. The repository has 2 branches and 0 tags. The 'k256577' branch is currently selected. The README file contains the text 'Programming Fundamentals – Lab 03' and 'Name: Abd-ur-Rehman Roll Number: k25-6577'. The GitHub interface includes a search bar, code editor, and various repository statistics like stars, forks, and releases.

Task 4:

The screenshot shows a GitHub repository page for 'PF-Lab-03' owned by 'Abd-ur-rehman02'. The repository has a dark theme. At the top, there are navigation links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. Below the header, there's a search bar and several action buttons: Pin, Watch (0), Fork (0), Star (0), and a gear icon. The main content area shows a branch named 'k256577' which is 1 commit ahead of 'main'. A message in a box states: 'This branch is 1 commit ahead of main.' Below this, there are three commits listed:

- Abd-ur-rehman02 This is Intro.c File - e8e0a2f · 6 minutes ago · 3 Commits
- README.md - Update README.md · 13 hours ago
- intro.c - This is Intro.c File · 6 minutes ago

On the left, there's a sidebar with sections for README, Programming Fundamentals – Lab 03, Name: Abd-ur-Rehman Roll Number: k25-6577, and Lab Objectives. On the right, there are sections for About (describing it as 'my PF Lab 3 task'), Activity (0 stars, 0 watching, 0 forks), Releases (no releases published, Create a new release), and Packages (no packages published, Publish your first package).

Task 5:

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** On the left, showing a file tree with 'intro.c' and 'README.md'.
- Source Control:** Shows a commit message: "Print welcome message for Programming Fundamentals" (k256577) by "Abdul Rehman" (origin/k256577).
- Editor:** The 'intro.c' file is open, displaying the following code:

```
#include <stdio.h>
int main(void)
{
    printf("Welcome to Programming Fundamentals\n");
    printf("Spring 2026\n");
    return 0;
}
```
- Terminal:** At the bottom, showing a git commit session:

```
PS C:\Users\Abdul Rehman\PF-Lab-03> git add *
PS C:\Users\Abdul Rehman\PF-Lab-03> git commit -m "this is my first commit"
On branch k256577
Your branch is up to date with 'origin/k256577'.

nothing to commit, working tree clean
PS C:\Users\Abdul Rehman\PF-Lab-03> git add intro.c
>> git commit -m "Print welcome message for Programming Fundamentals"
[k256577 b532aa7] Print welcome message for Programming Fundamentals
1 file changed, 1 insertion(+)
PS C:\Users\Abdul Rehman\PF-Lab-03>
```

Task 6:

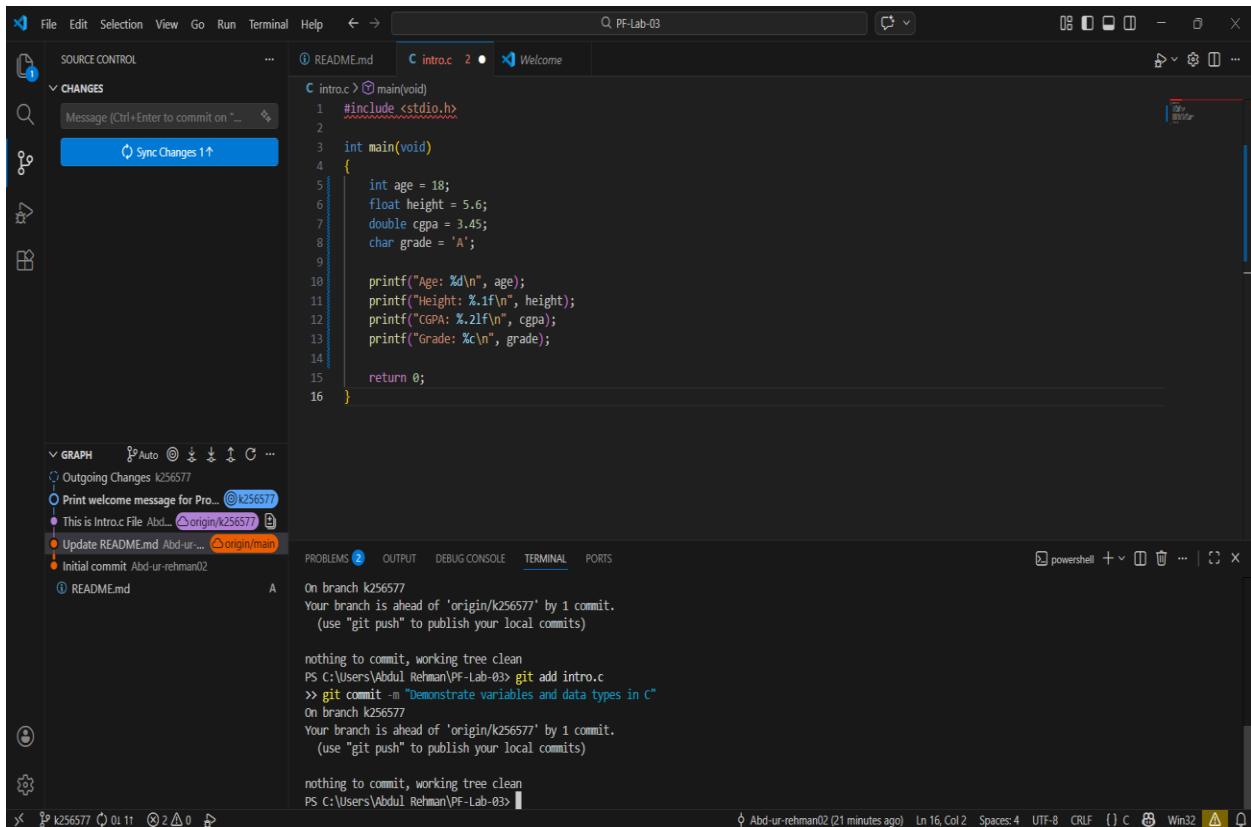
The screenshot shows a Visual Studio Code (VS Code) interface with the following details:

- File Explorer:** Shows a file tree with `README.md` and `intro.c`.
- Source Control:** Shows a commit history:
 - Initial commit `Abd-ul-rehman02` at branch `k256577`
 - Update `README.md` `Abd-ul-rehman02` at branch `origin/main`
 - This is Intro.c File `Abd-ul-rehman02` at branch `k256577`
 - Print welcome message for Programming Fundamentals `Abd-ul-rehman02` at branch `k256577`
- Terminal:** Shows a command-line session:

```
PS C:\Users\Abdul Rehman\PF-Lab-03> git add intro.c
>> git commit -m "Print welcome message for Programming Fundamentals"
[k256577 b532aa7] Print welcome message for Programming Fundamentals
 1 file changed, 1 insertion(+)
PS C:\Users\Abdul Rehman\PF-Lab-03> git add intro.c
>> git commit -m "Use escape sequences for formatted output"
On branch k256577
Your branch is ahead of 'origin/k256577' by 1 commit.
  (use 'git push' to publish your local commits)

nothing to commit, working tree clean
PS C:\Users\Abdul Rehman\PF-Lab-03>
```

Task 7:



The screenshot shows a Microsoft Visual Studio Code (VS Code) interface. The main editor area displays a C program named `intro.c`. The code prints four variables: age (18), height (5.6), CGPA (3.45), and grade ('A'). The terminal below shows a clean working tree and a command-line session where the user runs `git add intro.c` and `git commit` with a descriptive message.

```
#include <stdio.h>
int main(void)
{
    int age = 18;
    float height = 5.6;
    double cgpa = 3.45;
    char grade = 'A';

    printf("Age: %d\n", age);
    printf("Height: %.1f\n", height);
    printf("CGPA: %.2lf\n", cgpa);
    printf("Grade: %c\n", grade);

    return 0;
}
```

SOURCE CONTROL

CHANGES

Message (Ctrl+Enter to commit on "...") Sync Changes 1↑

GRAPH

- Outgoing Changes k256577
- Print welcome message for Pro... (k256577)
- This is Intro.c File Abd... (origin/k256577)
- Update README.md Abd-ur-... (origin/main)
- Initial commit Abd-ur-rehman02

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS

On branch k256577
Your branch is ahead of 'origin/k256577' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean
PS C:\Users\Abdul Rehman\PF-Lab-03> git add intro.c
>> git commit -m "Demonstrate variables and data types in C"
On branch k256577
Your branch is ahead of 'origin/k256577' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean
PS C:\Users\Abdul Rehman\PF-Lab-03>

abd-ur-rehman02 (21 minutes ago) Ln 16, Col 2 Spaces: 4 UTF-8 CRLF Win32

Task 8:

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows a folder structure with files: README.md, intro.c, and Welcome.
- Source Control:** Shows a commit history:
 - Initial commit Abd-ur-rehman02
 - Update README.md Abd-ur-rehman02 (origin/main)
 - This is Intro.c File Abd-ur-rehman02 (origin/k256577)
 - Print welcome message for Pro... (origin/k256577)
 - Outgoing Changes k256577
- Editor:** The intro.c file is open, displaying the following code:

```
introduction.c: main(void)
{
    char ch;

    printf("Enter an integer: ");
    scanf("%d", &num);

    printf("Enter a float: ");
    scanf("%f", &value);

    printf("Enter a character: ");
    scanf(" %c", &ch);

    printf("\nYou entered:\n");
    printf("Integer: %d\n", num);
    printf("Float: %.2f\n", value);
    printf("Character: %c\n", ch);

    return 0;
}
```
- Terminal:** The terminal shows the following output:

```
PS C:\Users\Abdul Rehman\PF-Lab-03> git add intro.c
>> git commit -m "Take integer, float, and character input from user"
On branch k256577
Your branch is ahead of 'origin/k256577' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
PS C:\Users\Abdul Rehman\PF-Lab-03>
```
- Bottom Status Bar:** Shows the current user (Abd-ur-rehman02), the commit time (22 minutes ago), line count (Ln 24), column count (Col 2), and encoding (UTF-8).

Task 9:

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows a folder structure with files like `intro.c`, `README.md`, and `outgoingChanges.k256577`.
- Source Control:** Shows a commit message: "Print welcome message for Pro..." (k256577). It also lists "Outgoing Changes k256577" and "Initial commit Abd-ur-rehman02".
- Editor:** Displays the `intro.c` file content:1 #include <stdio.h>
2
3 int main(void)
4 {
5 double num;
6
7 printf("Enter a double value: ");
8 scanf("%lf", &num);
9
10 printf("Default: %f\n", num);
11 printf("Two decimals: %.2lf\n", num);
12 printf("Five decimals: %.5lf\n", num);
13
14 return 0;
15 }
- Terminal:** Shows a git session:

```
PS C:\Users\Abdul Rehman\PF-Lab-03> git add intro.c
>> git commit -m "Show double output with different precision"
On branch k256577
Your branch is ahead of 'origin/k256577' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
PS C:\Users\Abdul Rehman\PF-Lab-03>
```
- Status Bar:** Shows the current user is `Abd-ur-rehman02` (22 minutes ago), with 15 lines, 2 columns, 4 spaces, CRLF encoding, and Win32 architecture.

Task 10:

The screenshot shows a GitHub interface for creating a pull request. At the top, there are tabs for Classroom Management Tools, Lab 03 Tasks, Remove page split in Word, Comparing k256577...main · Ab, and a new tab. The main window title is "github.com/Abd-ur-rehman02/PF-Lab-03/compare/k256577...main". Below the title, there are navigation links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The "Pull requests" link is highlighted.

The main content area is titled "Open a pull request". It displays a message: "Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks. Learn more about diff comparisons here." Below this, a dropdown menu shows "base: k256577" and "compare: main", with a note "Able to merge. These branches can be automatically merged.".

On the left, there's a "Add a title" section with a placeholder "Merge pull request #1 from Abd-ur-rehman02/k256577". To its right are sections for "Reviewers" (No reviews), "Assignees" (No one—assign yourself), "Labels" (None yet), "Projects" (None yet), and "Milestone" (No milestone). A note at the bottom of these sections says "Use Closing keywords in the description to automatically close issues".

In the center, there's a "Add a description" section with a "Write" tab selected. The "Write" tab has a rich text editor toolbar above it. The text area contains the text "This is Intro.c File". Below the text area, there are two buttons: "Markdown is supported" and "Paste, drop, or click to add files".