VITYARTHI PROJECT

Title: Personal Notes Saver – Mini Project
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Course: Python essentials/ Intro to problem solving and programming (CSE1021)
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Problem Statement

In day-to-day college life, we often need a quick place to store small notes — like class reminders, to-do items, assignment points, etc.

Most first-year students switch between mobile, WhatsApp notes, paper, and laptop files, which becomes confusing.

So, I decided to create a simple console-based Personal Notes Saver using Python.

It lets a user:

- Add a note
- View saved notes
- Delete a note

This solves a small real-time problem: keeping all small study or task notes in one place in an organised way.

Objectives

The main objectives of this mini project are:

1. To understand how Python interacts with files.
2. To perform basic operations like read, write, and update.
3. To practise simple working of functions and menus**.**
4. To build a very small useful program for daily note-keeping.

Proposed Solution

The program follows a menu-driven approach.

The user chooses what action to perform:

1 → Add a new note (text is appended to a file)

2 → View notes (program reads notes from file)

3 → Delete notes (file is cleared)

4 → Exit

All notes are stored in a file called notes.txt.

This makes the program simple and suitable for a beginner-level console project.

Tools & Technologies Used

Language: Python

Editor: VS Code

Version Control: Git & GitHub

System Requirements

Any system with Python installed

Any text editor like VS Code or Notepad

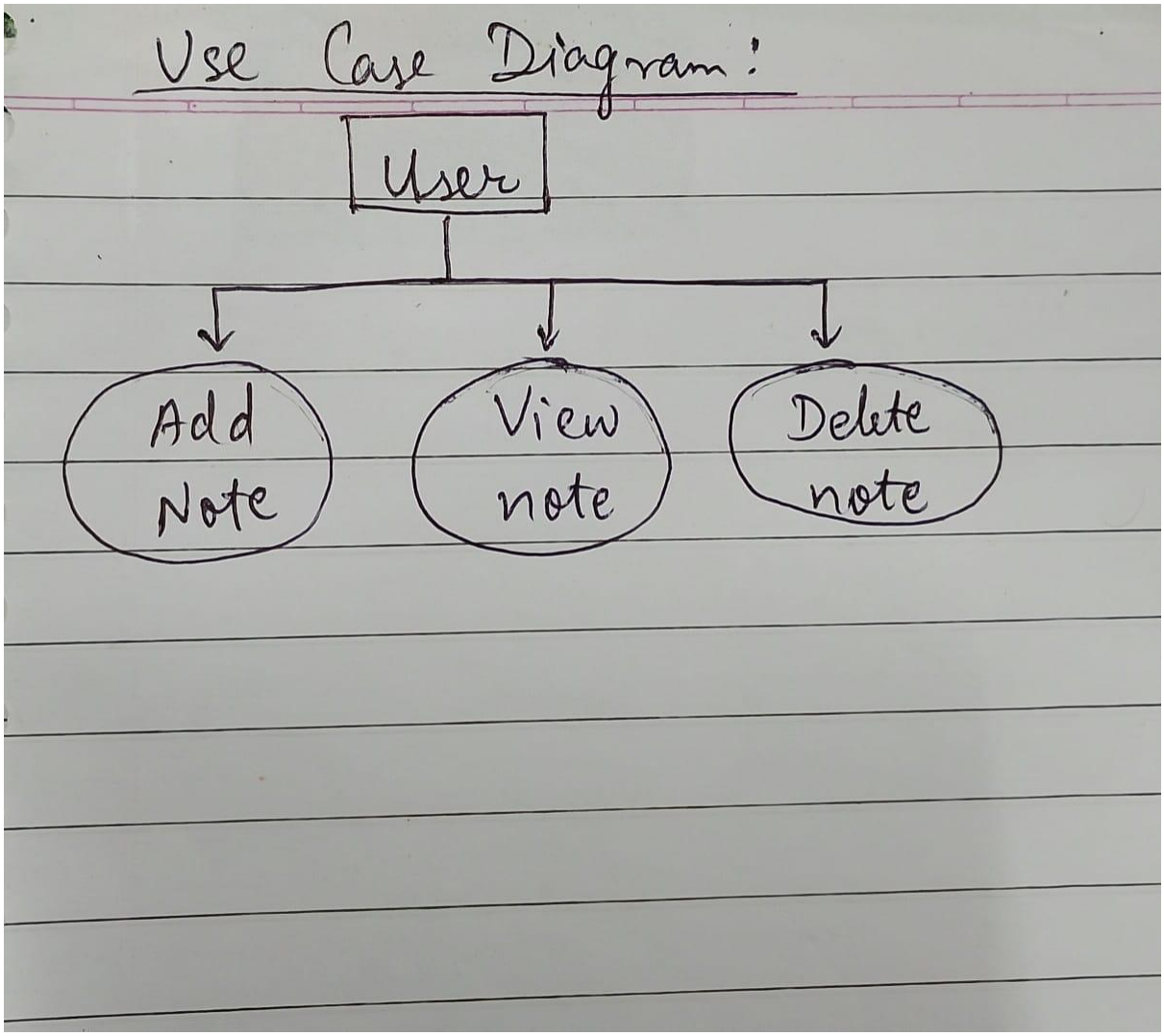
Basic storage for saving .txt file

Operating System: Windows

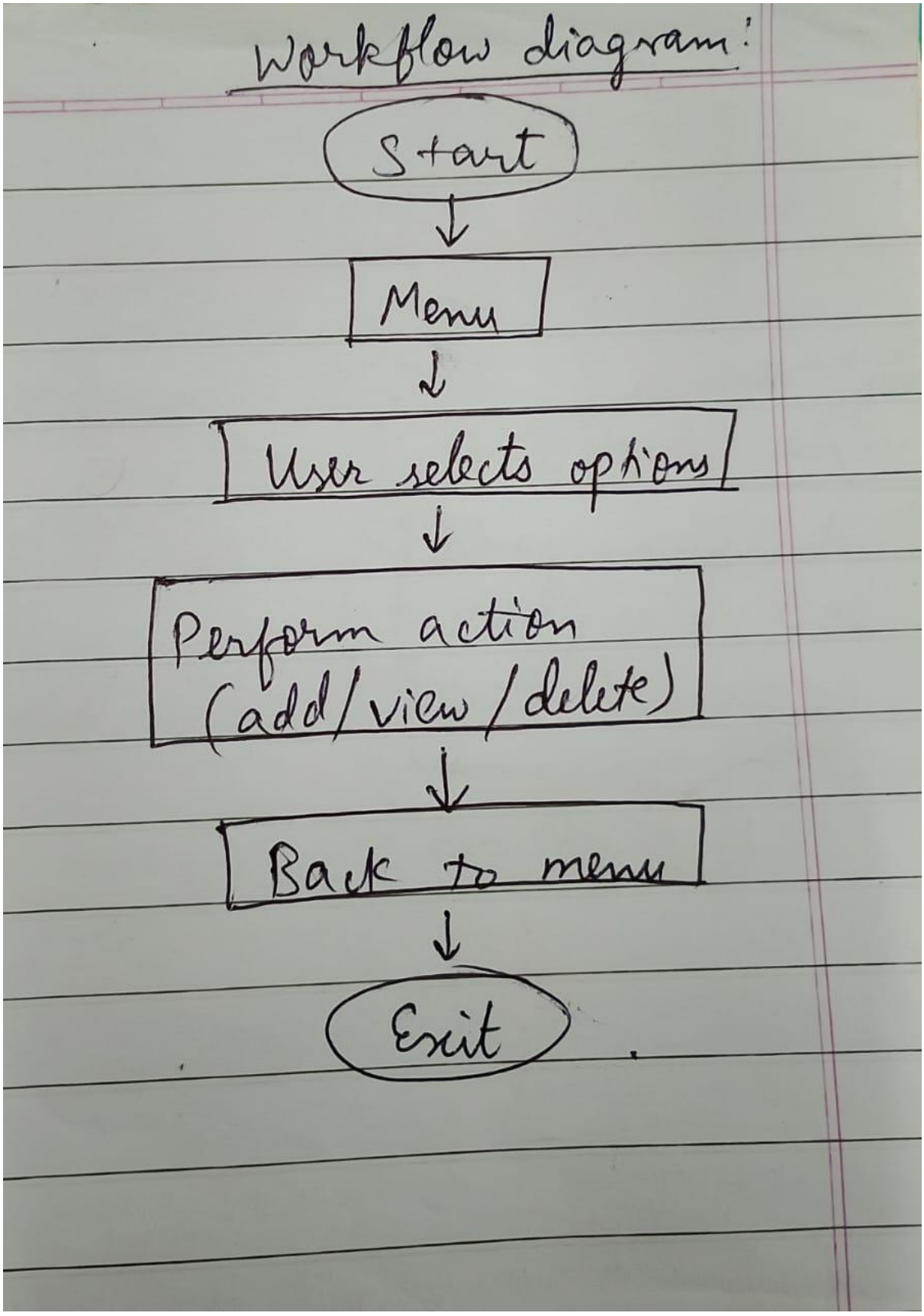
Project Design (Diagrams)

1. Use Case Diagram

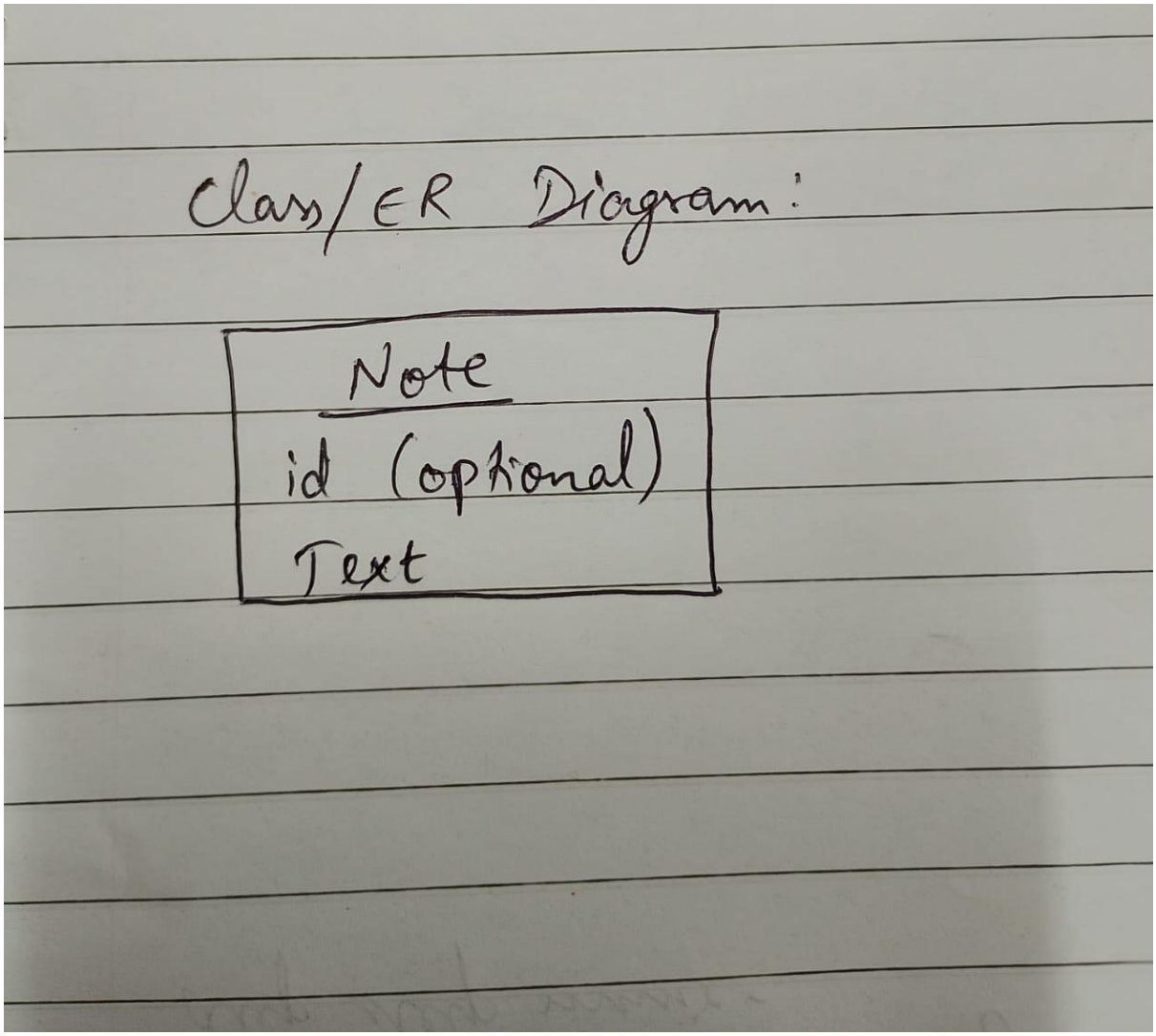
Use Case Diagram:



2. Workflow Diagram



3. Class/ER Diagram



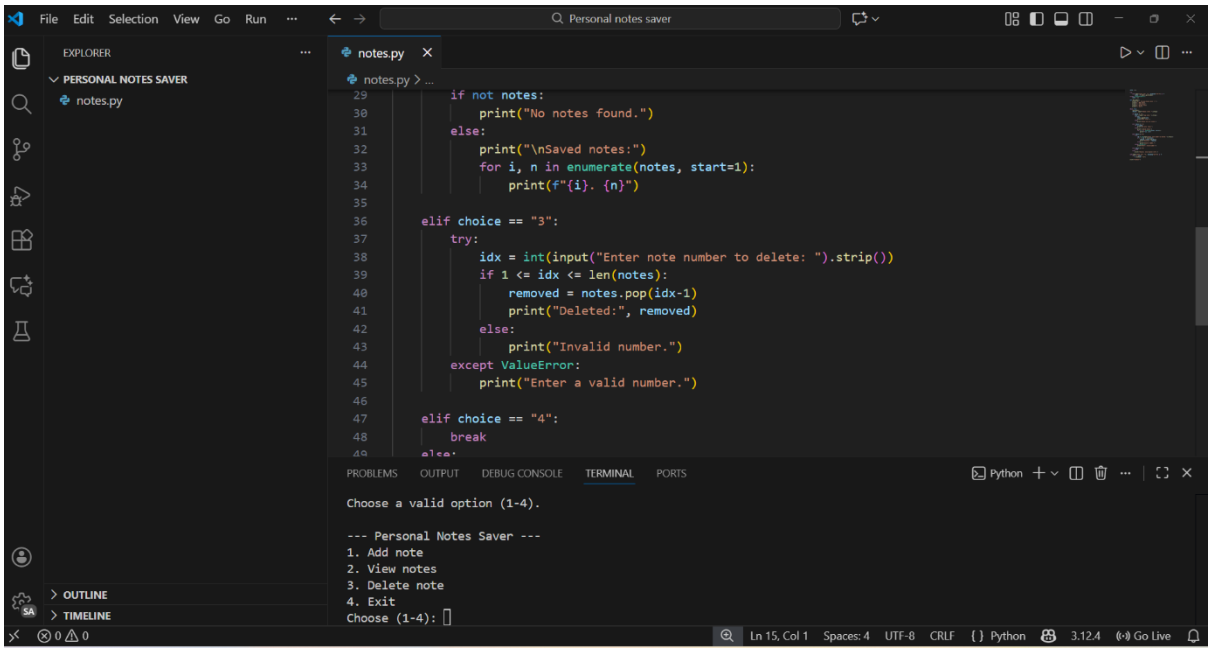
Implementation

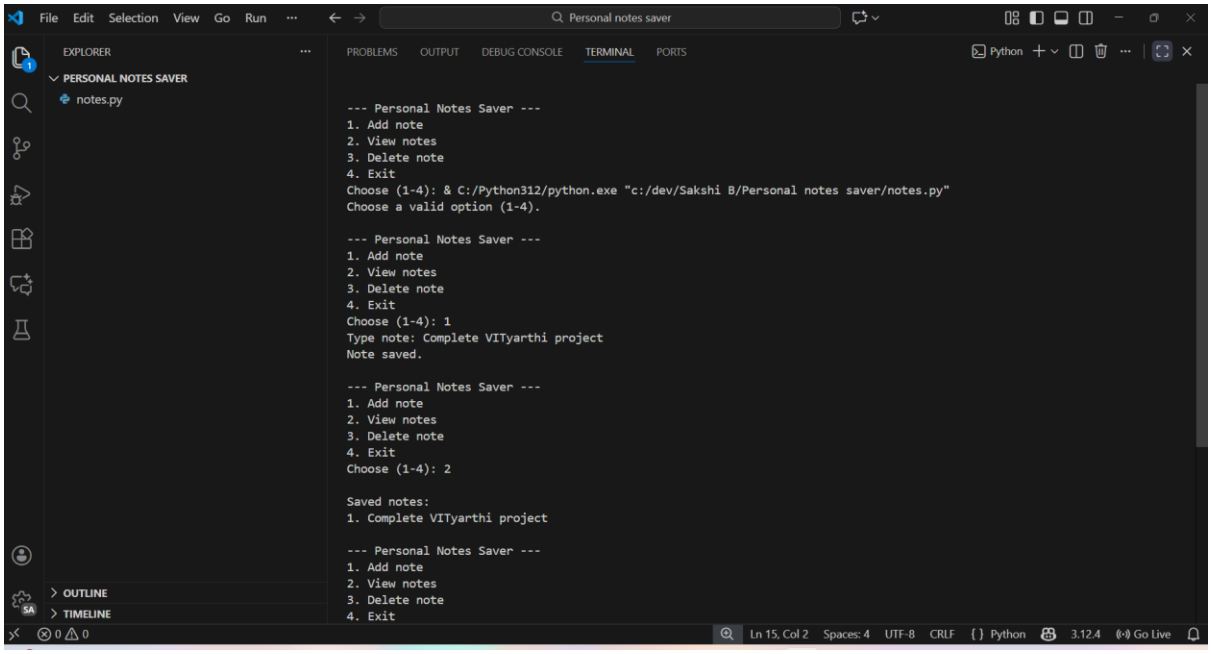
Below is the final Python code used:

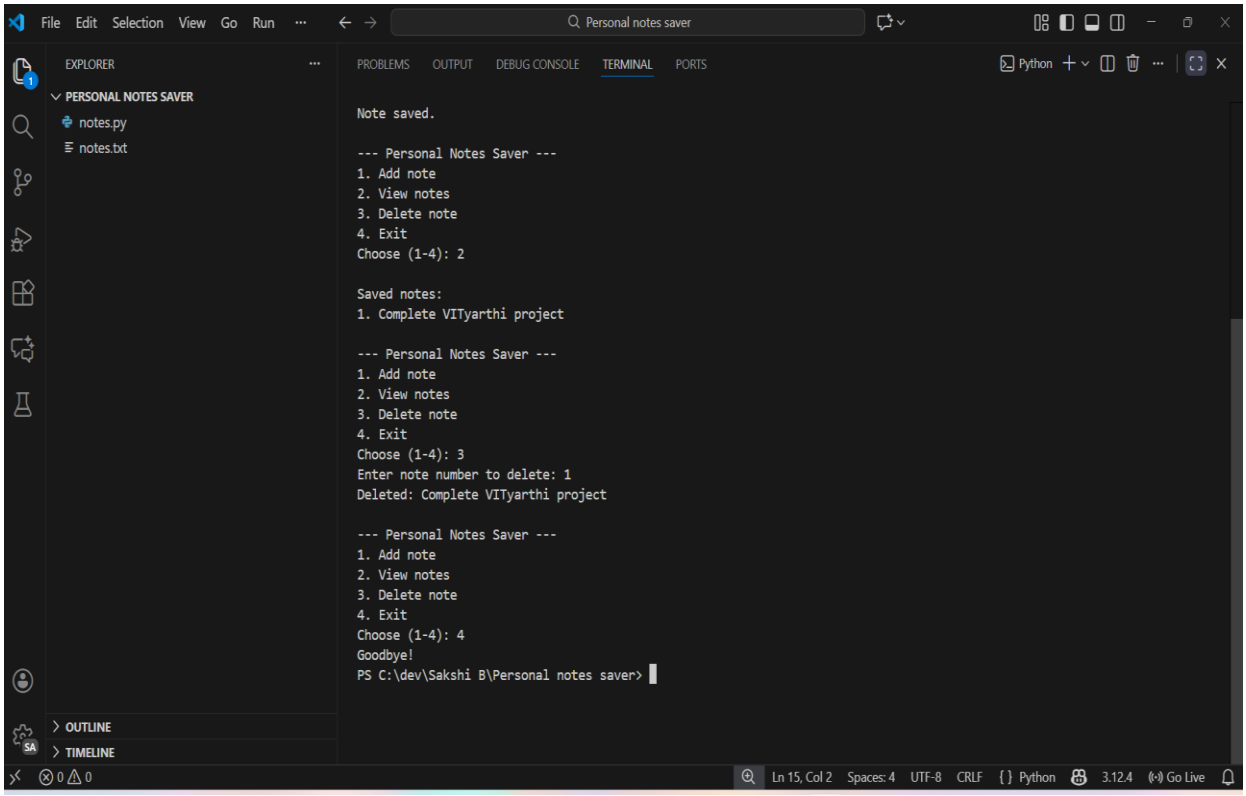
```
def add_note():
    note = input("Enter your note: ")
    with open("notes.txt", "a") as file:
        file.write(note + "\n")
    print("Note added successfully.\n")

def view_notes():
    print("\nYour Notes:")
    with open("notes.txt", "r") as file:
        notes = file.readlines()
        if not notes:
            print("No notes found.\n")
        else:
            for idx, note in enumerate(notes, start=1):
                print(f"{idx}. {note.strip()}")
    print()

def delete_notes():
    with open("notes.txt", "w") as file:
        pass
    print("All notes deleted successfully.\n")

def main():
    while True:
```

```
        print("1. Add Note")
        print("2. View Notes")
        print("3. Delete Notes")
        print("4. Exit")

        choice = input("Enter your choice: ")

        if choice == "1":
            add_note()
        elif choice == "2":
            view_notes()
        elif choice == "3":
            delete_notes()
        elif choice == "4":
            print("Exiting program...")
            break
        else:
            print("Invalid choice. Try again.\n")

if _name_ == "_main_":
 main()
```

Output Screenshots







GitHub Repository Link

https://github.com/sakshibhosale2107-bit/Personal-notes-saver.git

Conclusion

This mini project helped me understand the basics of Python programming, file handling, and how simple menu-driven applications work. I also learned how to use GitHub for uploading a project and managing files properly.

The program solves a small practical problem of saving quick notes in one place, and it can be improved later by adding timestamps, categories, or even a GUI.

References

Python official documentation

Class notes

Basic examples from online tutorials

END OF PROJECT

THANK YOU!