Internship Hands-on Task No. 4

Due Date:

03/02/2026 Batch-02 Smart Trainers

Marks Assigned: 25

Assignment Submission Instructions:

- Ensure all tasks are finished and correct.
- Save Your File in this format: PDF/MS Word.
- File name: (Your Name)
- Late submissions may not be accepted.
- Submit your assignment on google classroom.

Assignment/Task:

Chat-Style Quiz Bot (Python)

Project Description

The **Chat-Style Quiz Bot** is a simple and interactive Python project that behaves like a chatbot and conducts a quiz with the user. Instead of showing plain questions, the bot talks to the user in a friendly way, making the quiz feel like a real conversation.

The quiz questions are **not hard-coded** in the program. They are stored in an external text file, which makes the project flexible and easy to update. New questions can be added or removed without changing the Python code.

During the quiz, the bot displays one question at a time along with four multiple-choice options. The user answers by typing A, B, C, or D. The bot immediately responds whether the answer is correct or wrong, just like a real quiz assistant.

At the end of the quiz, the bot calculates the total score and shows the final result. The score is also **saved automatically in a file**, along with the date and time. This allows the user to keep a history of all previous quiz attempts.

The project also includes a **play again option**, so the user can take the quiz multiple times without restarting the program. Each new attempt is saved separately, which makes the quiz more engaging and user-friendly.

This project is built using **simple functional Python**, making it ideal for beginners who want to practice file handling, functions, loops, and basic user interaction in a real-world style application.

Key Features

- Chat-style interaction with the user
- Questions loaded from an external file
- Multiple-choice quiz format
- Instant feedback on answers
- Automatic score saving with date and time
- Play again option without restarting the program

Technologies Used

- Python
- File handling
- Functions and loops

Conclusion

The **Chat-Style Quiz Bot** is a beginner-friendly Python project that combines learning with fun. It demonstrates how simple programming concepts can be used to build an interactive and practical application. This project helps improve problem-solving skills and provides a strong foundation for more advanced chatbot or quiz-based applications in the future.