9th July 2025 (Wednesday)

This two-hour session focused on practical consolidation of all Java concepts learned so far. We were asked to design a mini-project combining OOP principles, exception handling, and file management. I chose to build a small console-based Contact Book application that could add, delete, and list contacts stored in a text file. The mentor assisted me in structuring the classes and modularizing functions for clarity. During debugging, I encountered issues with file path handling and learned how to correct them by using relative paths. The session emphasized clean code practices, indentation, and naming conventions — small but crucial aspects of real-world development. I left the class with a better understanding of how backend logic functions cohesively.