Lab 03 Tasks

- Task 1: Saad, a businessman in Faisalabad, often forgets how much cash he has in his wallet. To keep track of his expenses, he needs a digital system that can monitor his balance, record transactions, and notify him when he is low on cash. Create a Wallet class with attributes like ownerName, totalBalance, and transactionHistory. Implement methods to add money, spend money, and display transaction history. Help Saad manage his finances efficiently!
- Task 2: Laiba, a fitness enthusiast from Islamabad, wants to track her daily steps and calories burned. She needs a program that records her daily progress and provides feedback. Create a FitnessTracker class with attributes like userName, dailyStepGoal, stepsTaken, and caloriesBurned. Implement methods to log steps, calculate calories burned, and display progress. Ensure Laiba can check if she met her fitness goal for the day.
- Task 3: Hamza, a librarian in Peshawar, finds it difficult to manage the list of books available in the library. He needs a system that can store book details, allow students to borrow books, and track book availability. Create a Library class with attributes like bookList, borrowedBooks, and availableBooks. Implement methods to add books, lend books to students, and return books. Help Hamza keep track of library inventory.
- Zoya, a working professional in Multan, drives to work daily and often forgets to check her fuel level. She needs a system that calculates fuel consumption and warns her when the fuel is low. Create a Car class with attributes like brand, model, fuelCapacity, and currentFuelLevel. Implement methods to drive the car (reducing fuel level), refuel the tank, and check fuel status. Help Zoya avoid running out of fuel unexpectedly.
- Task 5: Imran, wants to create a digital music playlist manager where he can store, play, and remove songs. Create a MusicPlayer class with attributes like playlist (a list of songs) and currentlyPlayingSong. Implement methods to add songs, remove songs, play a song, and display the playlist. Help Imran create his own personal music collection!

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