

Mobile Sim Company Management System

The provided Java code is a console-based program for managing a **mobile sim company**. Here is a brief overview of its functionality:

Initialization:

The program initializes a Scanner object for user input, a FileReadWriteDemo object for file operations, and a MobileSimCompany object named msc with the company name "TeleTalk" and location "Gulshan-1".

Main Menu Loop:

The program enters a main menu loop where the user can choose various options.

Employee Management:

- Option 1 in the main menu provides functionality for employee management.
- Sub-menu options include inserting a new employee, removing an employee, searching for an employee, showing all employees, and going back.

Customer Management:

- Option 2 in the main menu deals with customer management.
- Sub-menu options include inserting a new customer, removing a customer, searching for a customer, showing all customers, and going back.

Sim Management:

- Option 3 is for sim management.
- Sub-menu options include inserting a new sim, removing a sim, searching for a sim, showing all sims, and going back.

Sim Transactions:

- Option 4 allows users to perform sim transactions.
- Sub-menu options include recharging a sim, transferring balance between sims, showing transaction history, and going back.

Display Company Information:

Option 5 allows users to display information about the mobile sim company.

Exit:

Option 6 allows the user to exit the program.

Loop Termination:

The program continues to loop through the main menu until the user chooses to exit.

Error Handling:

The program handles invalid menu choices and prompts the user to choose again.

Object-Oriented Design:

The code follows an object-oriented approach with classes like **MobileSimCompany**, **Employee**, **Customer**, **Sim**, **PrePaid**, and **PostPaid** indicating a structured design for different entities.

File Operations:

The FileReadWriteDemo class is used for file input/output operations to record transaction history.

Comments:

There are comments throughout the code, providing explanations for various sections.

This program appears to be a basic simulation of a mobile sim company management system, allowing users to perform operations related to employees, customers, sims, and transactions. The actual implementation of methods and classes, as well as additional details, would be present in the classes and methods that are not provided in the code snippet.

Start	
In the Start class, the main method guides users through a menu of options, prompting them to make selections from the following: <ol style="list-style-type: none">1. Manage Employees2. Manage Customers3. Manage Sims4. Sim Transactions5. Display Mobile Sim Company Information6. Exit After choosing an option, users are presented with further sub-options:	
Options for Employee Management <ol style="list-style-type: none">1. Insert New Employee2. Remove Employee3. Search Employee4. Show All Employees5. Go Back	Options for Customer Management <ol style="list-style-type: none">1. Insert New Customer2. Remove Customer3. Search Customer4. Show All Customers5. Go Back
Options for Sim Management <ol style="list-style-type: none">1. Insert New Sim2. Remove Sim3. Search Sim4. Show All Sims5. Go Back	Options for Sim Transactions <ol style="list-style-type: none">1. Recharge2. Balance Transfer3. Show All Transactions4. Go Back
The application guides users to input necessary values based on their selected options. The program iteratively proceeds according to the user's choices.	



