## Account.java

```
import java.util.Scanner;
public class Main {
  public static void main(String[] args) {
     BankService bankService = new BankService();
    // Create some accounts
     bankService.addAccount(new Account("123456", "Alice", 1000.00));
     bankService.addAccount(new Account("654321", "Bob", 500.00));
     Scanner scanner = new Scanner(System.in);
    while (true) {
       System.out.println("1. View Account");
       System.out.println("2. Transfer Funds");
       System.out.println("3. Exit");
       System.out.print("Choose an option: ");
       int choice = scanner.nextInt();
       if (choice == 3) break;
       switch (choice) {
          case 1:
            System.out.print("Enter account number: ");
            String accountNumber = scanner.next();
```

```
bankService.displayAccountInfo(accountNumber);
            break;
          case 2:
            System.out.print("Enter from account number: ");
            String fromAccount = scanner.next();
            System.out.print("Enter to account number: ");
            String toAccount = scanner.next();
            System.out.print("Enter amount: ");
            double amount = scanner.nextDouble();
            if (bankService.transferFunds(fromAccount, toAccount, amount)) {
               System.out.println("Transfer successful.");
            } else {
               System.out.println("Transfer failed. Check account numbers and
balance.");
            }
            break;
          default:
            System.out.println("Invalid option.");
            break;
       }
    }
     scanner.close();
  }
}
```