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// Deethya Makonahalli's class for a financial account that stores and retrieves
variables in this account

public class Account extends Object{

    //initialising the field accountNumber
    private String accountNumber;

    //initialising the field balanceLimit
    private int balanceLimit;

    //initialising the field balance
    private double balance;

    // 1st Constructor to input the accountNumber

    public Account(String accountNumber){
        this.accountNumber = accountNumber;
    }

    // 2nd Constructor to input Balance Limit and accountNumber

    public Account(String accountNumber, int balanceLimit){
        this.accountNumber = accountNumber;
        this.balanceLimit = balanceLimit;
    }

    //Method to access accountNumber

    public String getAccountNumber(){
        return accountNumber;
    }

    //Method to set balance

    public void setBalance(double balance){
        this.balance = balance;
    }

    //Method to access the Balance of the account

    public double getBalance(){
        return balance;
    }

    //Method to increase the Balance of the account by the charge

    public void charge(double charge){
        balance = balance + charge;
    }

    //Method to set the credit and decrease the Balance by the credit

    public void credit(double credit){
        balance -= credit;
    }

    //Method to set the Balance limit
```

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public void setBalanceLimit(int balanceLimit){  
    this.balanceLimit = balanceLimit;  
}  
  
//Method to access the Balance Limit of the account  
  
public int getBalanceLimit(){  
    return balanceLimit;  
}  
}
```