

```

public class Trader{

    //a constructor to hold the trader name
    public Trader(String name){
        this.name = name;
    }

    //stores the name of the trader
    private String name;

    //stores the balance of the trader
    private double balance;

    //returns the name of the trader
    public String getName(){
        return name;
    }

    //changes the name of the trader
    public void setName(String name){
        this.name = name;
    }

    //returns the value of the traders balance
    public double getBalance(){
        return balance;
    }

    //decreases the balance of the trader by the input amount
    public void withdraw(double x){
        this.balance = balance - x;
    }

    //increases the balance of the trader by the input amount
    public void deposit(double x){
        this.balance = balance + x;
    }

}

```