1 **import** javax.swing.JOptionPane;

2 **import** java.text.NumberFormat;

3 **import** java.util.Locale;

4

5 **public** **class** TotalingLoop

6 {

7 **public** **static** **void** main(String[] args)

8 {

9 **double** balance = 1000.24;

10 **int** numOfDeposits;

11 **double** deposit, total, newBalance, averageDeposit;

12 String input;

13 NumberFormat us = NumberFormat.getCurrencyInstance(Locale.US);

14

15 System.out.println("Your beginning balance is: " +

16 us.format(balance));

17 input = JOptionPane.showInputDialog("How Many Deposits?");

18 numOfDeposits = Integer.parseInt(input);

19

20 total = 0.0;

21 **for**(**int** i = 1; i <= numOfDeposits; i++)

22 {

23 input = JOptionPane.showInputDialog("Enter a deposit");

24 deposit = Double.parseDouble(input);

25 total = total + deposit;

26 }

27 balance = balance + total;

28 averageDeposit = total / numOfDeposits;

29

30 System.out.println("The total of the " + numOfDeposits +

31 " deposits is " + us.format(total));

32 System.out.println("The average deposit was: " +

33 us.format(averageDeposit));

34 System.out.println("Your new balance is: " + us.format(balance));

35 }

36 }

**Inputs**

3

20.10

30.20

40.30

**Outputs**

Your beginning balance is: $1,000.24

The total of the 3 deposits is $90.60

The average deposit was: $30.20

Your new balance is: $1,090.84

**Figure 5.8 The application TotalingLoops.**