

Write a C Program for an ATM Machine according to the following instructions.
(Use Characters for necessary places)

- Prompt the user to input the transaction type (Withdraw or Deposit).
- Confirm the selection by printing "You have selected Withdraw/Deposit Money".
- Prompt the user to enter the Bank Balance and the Transaction Amount.
- Based on the Transaction Type, Calculate and Display the New Bank Balance.
- In Withdraw Money type, If the New Bank Balance hits a negative value (Minus value) after the calculation, do not process the transaction and print an error message. (Basically, do not change the value of Bank Balance)
- After this ask from the user whether the user needs to do another transaction or not (Yes or No)
 - If the user gives the answer as yes run the whole program again, for that ask from the user if the user wants to do next transaction on the same Bank Account or Not (Yes or No)
 - If Yes, use the Bank Balance as the Bank Balance you got after the calculation process. And do not prompt to the user to enter the Bank Balance.
 - If no, prompt the user to enter the Bank Balance in the Relevant step.
 - If the user gives the answer as no, terminate the program with a message.
- When the user gets to enter Characters, if the user enters Invalid Characters, give the user to enter the proper character again up to 3 times.
- In the last chance if the user enters an Invalid Character, immediately terminate the program.

Some sample Inputs/Outputs is given below.

```
C:\Users\Randula Mawaththa\Desktop\ATM new\Untitled1.exe
Enter the Transaction Type ( W / D ) (3 Chances Left) : W
You have selected Money Withdrawal!!

Enter The Bank Balance : 5000
Enter The Withdrawal Amount : 1200

Transaction Complete!!
Your Bank Balance is : 3800.00

Do you want to do Another Transaction ( Y / N ) (3 Chances Left) : y
Do you want to Use the Same Bank Account ( Y / N ) (3 Chances Left) : Y

Enter the Transaction Type ( W / D ) (3 Chances Left) : d
You have selected Money Deposit!!

Enter The Deposit Amount : 6000

Transaction Complete!!
Your Bank Balance is : 9800.00

Do you want to do Another Transaction ( Y / N ) (3 Chances Left) : n
Thank You For Using Our Service!!

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Process exited after 40.33 seconds with return value 0
Press any key to continue . . .
```

```
C:\Users\Randula Mawaththa\Desktop\ATM new\Untitled1.exe
Enter the Transaction Type ( W / D ) (3 Chances Left) : D
You have selected Money Deposit!!

Enter The Bank Balance : 5000
Enter The Deposit Amount : 1000

Transaction Complete!!
Your Bank Balance is : 6000.00

Do you want to do Another Transaction ( Y / N ) (3 Chances Left) : y
Do you want to Use the Same Bank Account ( Y / N ) (3 Chances Left) : n

Enter the Transaction Type ( W / D ) (3 Chances Left) : w
You have selected Money Withdrawal!!

Enter The Bank Balance : 60000
Enter The Withdrawal Amount : 1300

Transaction Complete!!
Your Bank Balance is : 58700.00

Do you want to do Another Transaction ( Y / N ) (3 Chances Left) : n
Thank You For Using Our Service!!

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Process exited after 25.04 seconds with return value 0
Press any key to continue . . .
```

```
C:\Users\Randula Mawaththa\Desktop\ATM new\Untitled1.exe
Enter the Transaction Type ( W / D ) (3 Chances Left) : W
You have selected Money Withdrawal!!

Enter The Bank Balance : 5000
Enter The Withdrawal Amount : 1000

Transaction Complete!!
Your Bank Balance is : 4000.00

Do you want to do Another Transaction ( Y / N ) (3 Chances Left) : a
Invalid Selection!!
Do you want to do Another Transaction ( Y / N ) (2 Chances Left) : a
Invalid Selection!!
Do you want to do Another Transaction ( Y / N ) (1 Chances Left) : a
Invalid Selection!!

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Process exited after 14.74 seconds with return value 0
Press any key to continue . . .
```