**PROGRAM FOR ATM MACHINE**

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1. *\* C Program to Display the ATM Transaction*
2. *\*/*
3. #include <stdio.h>
5. unsigned long amount=1000, deposit, withdraw;
6. int choice, pin, k;
7. char transaction ='y';
9. void main()
10. {
11. while (pin != 1520)
12. {
13. printf("ENTER YOUR SECRET PIN NUMBER:");
14. scanf("%d", &pin);
15. if (pin != 1520)
16. printf("PLEASE ENTER VALID PASSWORD**\n**");
17. }
18. do
19. {
20. printf("\*\*\*\*\*\*\*\*Welcome to ATM Service\*\*\*\*\*\*\*\*\*\*\*\*\*\***\n**");
21. printf("1. Check Balance**\n**");
22. printf("2. Withdraw Cash**\n**");
23. printf("3. Deposit Cash**\n**");
24. printf("4. Quit**\n**");
25. printf("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*?\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*?\***\n\n**");
26. printf("Enter your choice: ");
27. scanf("%d", &choice);
28. switch (choice)
29. {
30. case 1:
31. printf("**\n** YOUR BALANCE IN Rs : %lu ", amount);
32. **break**;
33. case 2:
34. printf("**\n** ENTER THE AMOUNT TO WITHDRAW: ");
35. scanf("%lu", &withdraw);
36. if (withdraw % 100 != 0)
37. {
38. printf("**\n** PLEASE ENTER THE AMOUNT IN MULTIPLES OF 100");
39. }
40. else if (withdraw >(amount - 500))
41. {
42. printf("**\n** INSUFFICENT BALANCE");
43. }
44. else
45. {
46. amount = amount - withdraw;
47. printf("**\n\n** PLEASE COLLECT CASH");
48. printf("**\n** YOUR CURRENT BALANCE IS%lu", amount);
49. }
50. **break**;
51. case 3:
52. printf("**\n** ENTER THE AMOUNT TO DEPOSIT");
53. scanf("%lu", &deposit);
54. amount = amount + deposit;
55. printf("YOUR BALANCE IS %lu", amount);
56. **break**;
57. case 4:
58. printf("**\n** THANK U USING ATM");
59. **break**;
60. default:
61. printf("**\n** INVALID CHOICE");
62. }
63. printf("**\n\n\n** DO U WISH TO HAVE ANOTHER TRANSCATION?(y/n): **\n**");
64. fflush(stdin);
65. scanf("%c", &transaction);
66. if (transaction == 'n'|| transaction == 'N')
67. k = 1;
68. } while (!k);
69. printf("**\n\n** THANKS FOR USING OUT ATM SERVICE");
70. }

* **OUTPUT:**

**Runtime Test Cases**

ENTER YOUR SECRET PIN NUMBER: 1520

\*\*\*\*\*\*\*\*Welcome to ATM Service\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Check Balance

2. Withdraw Cash

3. Deposit Cash

4. Quit

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*?\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*?\*

Enter your choice: 1

YOUR BALANCE IN Rs : 1000

 DO U WISH TO HAVE ANOTHER TRANSCATION?(y/n):

\*\*\*\*\*\*\*\*Welcome to ATM Service\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Check Balance

2. Withdraw Cash

3. Deposit Cash

4. Quit

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*?\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*?\*

Enter your choice: 2

ENTER THE AMOUNT TO WITHDRAW: 200

PLEASE COLLECT CASH

YOUR CURRENT BALANCE IS 800

DO U WISH TO HAVE ANOTHER TRANSCATION?(y/n):

\*\*\*\*\*\*\*\*Welcome to ATM Service\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Check Balance

2. Withdraw Cash

3. Deposit Cash

4. Quit

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*?\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*?\*

Enter your choice: 3

ENTER THE AMOUNT TO DEPOSIT 5000

YOUR BALANCE IS 5800

DO U WISH TO HAVE ANOTHER TRANSCATION?(y/n):

\*\*\*\*\*\*\*\*Welcome to ATM Service\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Check Balance

2. Withdraw Cash

3. Deposit Cash

4. Quit

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*?\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*?\*