E:\atm simulator.c

```c
1   #include <stdio.h>
2
3   unsigned long amount=1000, deposit, withdraw;
4   int choice, pin, k;
5   char transaction ='y';
6
7   void main()
8   {
9       while (pin != 1520)
10      {
11          printf("ENTER YOUR SECRET PIN NUMBER:");
12          scanf("%d", &pin);
13          if (pin != 1520)
14          printf("PLEASE ENTER VALID PASSWORD\n");
15      }
16      do
17      {
18          printf("********Welcome to ATM Service*************\n");
19          printf("1. Check Balance\n");
20          printf("2. Withdraw Cash\n");
21          printf("3. Deposit Cash\n");
22          printf("4. Quit\n");
23          printf("****************?*****************************?*\n\n");
24          printf("Enter your choice: ");
25          scanf("%d", &choice);
26          switch (choice)
27          {
28          case 1:
29              printf("\n YOUR BALANCE IN Rs : %lu ", amount);
30              break;
31          case 2:
32              printf("\n ENTER THE AMOUNT TO WITHDRAW: ");
33              scanf("%lu", &withdraw);
34              if (withdraw % 100 != 0)
35              {
36                  printf("\n PLEASE ENTER THE AMOUNT IN MULTIPLES OF 100");
37              }
38              else if (withdraw >(amount - 500))
39              {
40                  printf("\n INSUFFICENT BALANCE");
41              }
42              else
43              {
44                  amount = amount - withdraw;
45                  printf("\n\n PLEASE COLLECT CASH");
46                  printf("\n YOUR CURRENT BALANCE IS%lu", amount);
47              }
48              break;
49          case 3:
50              printf("\n ENTER THE AMOUNT TO DEPOSIT");
51              scanf("%lu", &deposit);
52                      amount = amount + deposit;
53              printf("YOUR BALANCE IS %lu", amount);
54              break;
```

```c
        case 4:
            printf("\n THANK U USING ATM");
            break;
        default:
            printf("\n INVALID CHOICE");
        }
        printf("\n\n\n DO U WISH TO HAVE ANOTHER TRANSCATION?(y/n): \n");
        fflush(stdin);
        scanf("%c", &transaction);
        if (transaction == 'n'|| transaction == 'N')
                    k = 1;
    } while (!k);
    printf("\n\n THANKS FOR USING OUT ATM SERVICE");
}
```