ATM Service

A MINI PROJECT REPORT

Submitted by

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PPS Mini-Project
ATM Service

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Aim

To provide ATM service to the customer using C language.

(PIN: 1520)

Algorithm

=> Get a valid pin from the customer.

=> Enter into the ATM menu.

=> Select the required service from the given options of withdrawal, deposit, etc.,.

=> Calculate the amount for all the options accordingly and provide the user with the required output.

=> Ask whether he wants to continue the transaction again or not.

=> If yes, display the options again. If not, display a thank you message.

Program

```c
#include <stdio.h>

unsigned long amount=100000, deposit, withdraw;

int choice, pin, k;

char transaction ='y';


void main()

{

    while (pin != 1520)

    {

        printf("ENTER YOUR SECRET PIN NUMBER:");

        scanf("%d", &pin);

        if (pin != 1520)

        printf("PLEASE ENTER VALID PASSWORD\n");

    }

    do

    {

        printf("********Welcome to ATM Service*************\n");

        printf("1. Check Balance\n");

        printf("2. Withdraw Cash\n");

        printf("3. Deposit Cash\n");

        printf("4. Quit\n");
```

```c
printf("*******************?***********************?*\n\n");

printf("Enter your choice: ");

scanf("%d", &choice);

switch (choice)

{

case 1:

    printf("\n YOUR BALANCE IN Rs : %lu ", amount);

    break;

case 2:

    printf("\n ENTER THE AMOUNT TO WITHDRAW: ");

    scanf("%lu", &withdraw);

    if (withdraw % 100 != 0)

    {

        printf("\n PLEASE ENTER THE AMOUNT IN MULTIPLES OF 100");

    }

    else if (withdraw >(amount - 500))

    {

        printf("\n INSUFFICIENT BALANCE");

    }

    else

    {

        amount = amount - withdraw;

        printf("\n\n PLEASE COLLECT CASH");
```

```c
            printf("\n YOUR CURRENT BALANCE IS %lu", amount);

        }

        break;

    case 3:

        printf("\n ENTER THE AMOUNT TO DEPOSIT: ");

        scanf("%lu", &deposit);

                    amount = amount + deposit;

        printf("YOUR BALANCE IS %lu", amount);

        break;

    case 4:

        printf("\n THANK U USING ATM");

        break;

    default:

        printf("\n INVALID CHOICE");

    }

    printf("\n\n\n DO U WISH TO HAVE ANOTHER TRANSACTION?(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");

}
```

Output

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 : 100000

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

y

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

1. Check Balance

2. Withdraw Cash

3. Deposit Cash

4. Quit

*****************?************************?*

Enter your choice: 2

ENTER THE AMOUNT TO WITHDRAW: 12000

PLEASE COLLECT CASH

YOUR CURRENT BALANCE IS 88000

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

y

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

1. Check Balance

2. Withdraw Cash

3. Deposit Cash

4. Quit

****************?***********************?*

Enter your choice: 3

 ENTER THE AMOUNT TO DEPOSIT: 1800

YOUR BALANCE IS 89800

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

y

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

1. Check Balance

2. Withdraw Cash

3. Deposit Cash

4. Quit

****************?************************?*

Enter your choice: 4

THANK U USING ATM

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

n

THANKS FOR USING OUT ATM SERVICE

```
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):
y
********Welcome to ATM Service**************
1. Check Balance
2. Withdraw Cash
3. Deposit Cash
4. Quit
****************?********************?*

Enter your choice: 2

 ENTER THE AMOUNT TO WITHDRAW: 500


 PLEASE COLLECT CASH
 YOUR CURRENT BALANCE IS500


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

```
********Welcome to ATM Service**************
1. Check Balance
2. Withdraw Cash
3. Deposit Cash
4. Quit
****************?********************?*

Enter your choice: 3

 ENTER THE AMOUNT TO DEPOSIT1500
YOUR BALANCE IS 2000


 DO U WISH TO HAVE ANOTHER TRANSCATION?(y/n):
y
********Welcome to ATM Service**************
1. Check Balance
2. Withdraw Cash
3. Deposit Cash
4. Quit
****************?********************?*

Enter your choice: 4

 THANK U USING ATM


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


 THANKS FOR USING OUT ATM SERVICE
```

Result

Thus we can provide ATM service to a customer using a C Program.