

# 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.

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# Program

```
#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");
```

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```
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");

        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");

}

```

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## 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

5

- 
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:1528
*****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 DEPOSIT:1500
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. 9