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

```c
#include <stdio.h>

unsigned long amount=100000, deposit, withdraw;

int choice, pin, k;

char transaction ='y';


void main()

{
```

```c
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;
```

```c
        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;
```

```c
        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

*****************?***********************?*
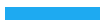
Enter your choice: 1
 YOUR BALANCE IN Rs : 100000

 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

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Result

Thus we can provide ATM service to a customer using a C Program. 9