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Assignment	Programming Fundamental
Department	BS(Software-Engineering)
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Teacher Name:	Dr. Fazal-e-Malik	Marks :	20

Iqra National University Peshawar Pakistan
Department of Computer Science
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Note: Please write your Name and ID on your assignment otherwise you will get zero marks.

Q1: Using a do-while loop, write a program that will do banking transactions as per the figures below:

Program:

```
#include<iostream>
#include<string.h>
#include<windows.h>
#include<iomanip>

using namespace std;
main()
{
        char a=0,ch,d;int b=0,c=0,total=1000;

    system("color 3");
```

```cpp
cout<<setw(56)<<"\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\
3\3\3\3\3\3\n\n";

cout<<setw(56)<<"WELLCOME TO MY AWESOME BANK\n\n";

cout<<setw(58)<<"\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\3\
3\3\3\3\3\3\n\n\n\n";

do{

    cout<<"\n\n\n\n**WAIT**\n\n";
    cout<<"MENU\n\n\n";
    cout<<"\n\n 1=WithdaWal \n";
    cout<<"\n\n 2=Balance Inquery \n";
    cout<<"\n\n 3=Exit\n\n\n\n";

    cout<<"Enter Your Choice : ";
        cin>>a;

switch(a)
{

    case '1':

        system("cls");
    cout<<"PLEASE ENTER AMOUNT IN PKR:     ";
    cin>>b;

    if(b>total)
    {

            system("cls");

        cout<<"You Have Insuffiect Balance";
```

```cpp
        }else{
            total=total-b;

                system("cls");
            cout<<"You'r Remainin Balance is:"<<total<<endl;
            cout<<"do you want to procees another Transcation  y/n:";
            cin>>d;
                if(d=='Y' || d=='y')
                {
                system("cls");
                    cout<<"Thanks!!";
                    c=9;
                }

        }

break;
    case '2':
system("cls");
    cout<<"\n\n\n\nYour Balance Is:"<<total<<endl;
    cout<<"Are you sure you want to exit Transcation  y/n:";
        cin>>d;
                if(d=='Y' || d=='y')
                {
                system("cls");
                    cout<<"Thanks!!";
                    c=9;
                }

    break;
    case '3':

                cout<<"\n\n\n\nYou Are Sure To Exit y/n:";
                cin>>ch;
```

```
                if(ch=='Y' || ch=='y')
                {
                system("cls");
                        cout<<"Thanks!!";
                        c=9;
                }

            break;

        default:
            cout<<"SO WHAT YOU WANT SIR CAN I HELP YOU\n\n\n\n\n\n";




}
}while(c==0);
```


```
Welcome to AWESOME BANK

What do you want to do?
          +----------------------+
          ! 1 - Withdawal   !
          ! 2 - Balance Inquiry !
          ! 3 - Exit   !
          +----------------------+

Please enter your choice: 1

Please enter the amount in PKR: 1500
You have insufficent funds   do so.

Thank you!_
}
```

Figure 1

Based on Figure 1, the program shows the options available at the ATM machine. If the user withdraws amount more than the available balance, an error message will be displayed and the program is terminated. Assume that the account has PKR 1000.00 starting balance.

## Step 1:

```
C:\Users\hoori\Downloads\Awesome Bank.exe                                    —   □   X
                 ▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯

                     WELLCOME  TO  MY  AWESOME  BANK

                 ▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯▯




***WAIT***

MENU



 1=WithdaWal

 2=Balance Inquery

 3=Exit


Enter Your Choice : 1_
```

Step 2:


```
C:\Users\hoori\Downloads\Awesome Bank.exe                                    —   □   X
PLEASE ENTER AMOUNT IN PKR:       1500_
```

Step 3:

Figure 2

Figure 2 show that the user is withdrawing some amount from the account. The program will display the balance left in the account. It will then ask the user whether he or she wants to proceed with another transaction.

Step 1:
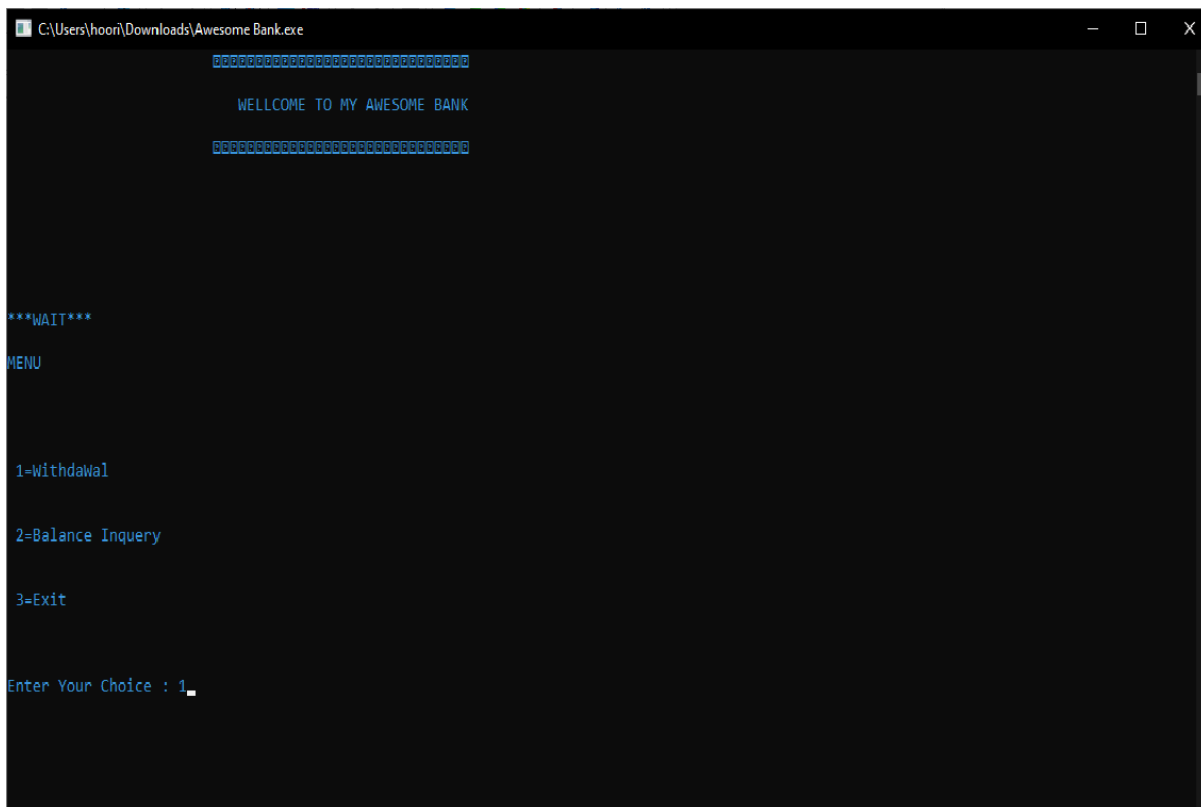
Step 2:
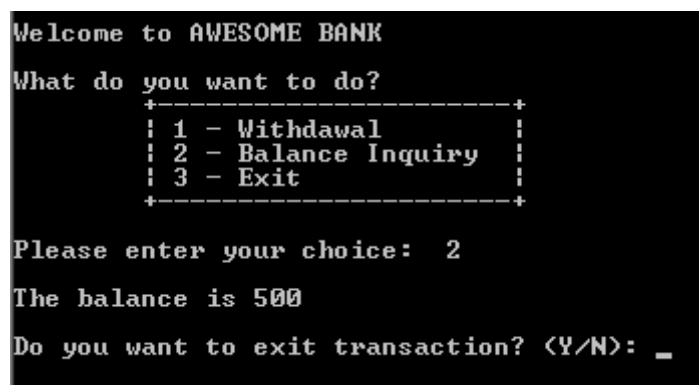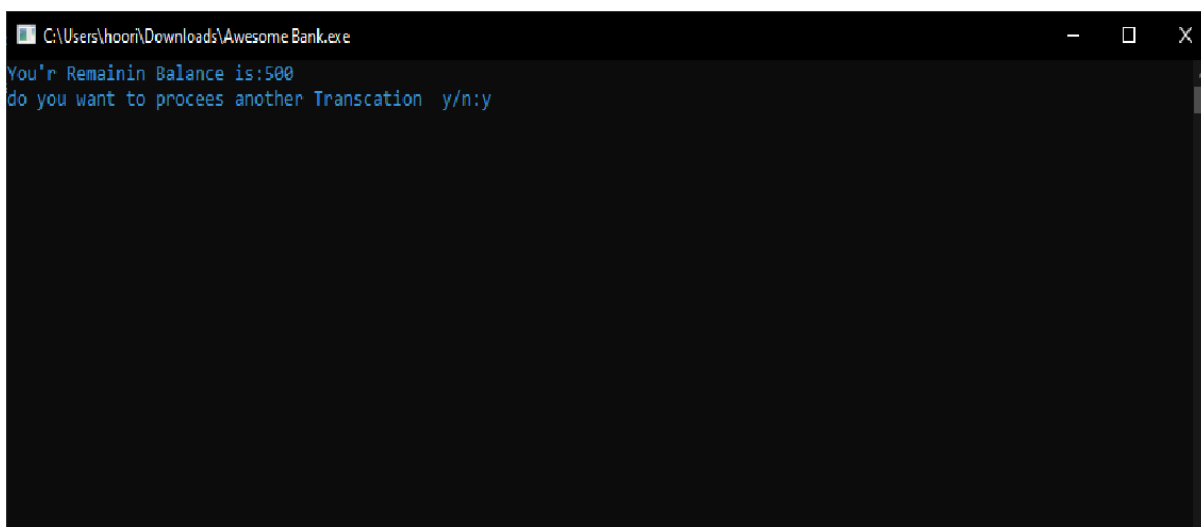
Figure 3

Figure 3 show the balance inquiry option, which allows the user to check their balance in the account.
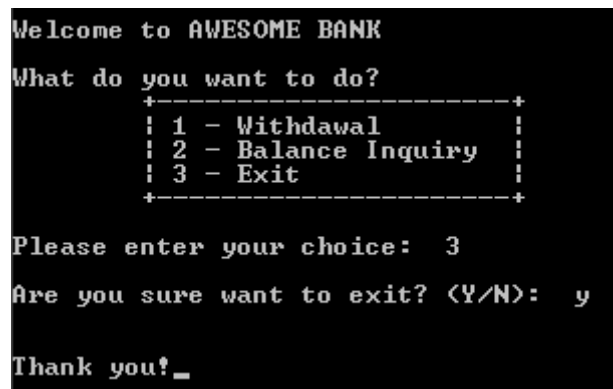

Figure 4

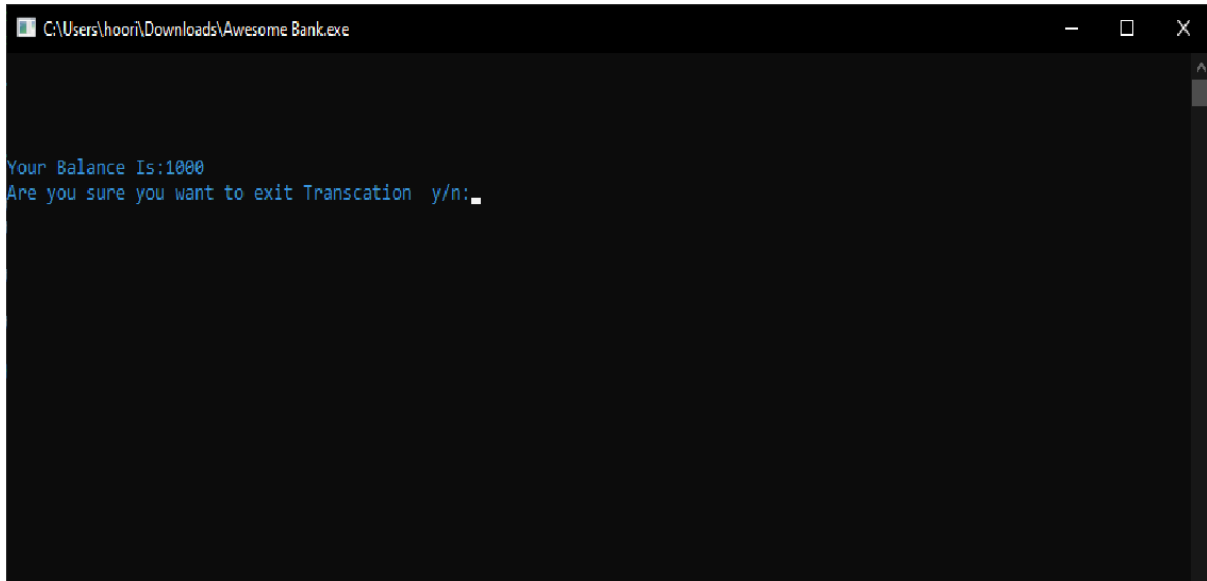Figure 4 show when the user decides to exit the program. Note that to clear screen, you need to use system ("cls"); and include a header file stdlib.h

Step 1:

Step 2:

☺ ************************☺