

NAME:SYED S.ZULFIQAR HASAN

Id:14937

PROGRAM: BSCS

SUBMIT TO : FAZAL E MALIK

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

```
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.

```
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 500
Thank you for the transaction. Your balance is 500
Do you want to exit transaction? <Y/N>:
```

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.

```

Welcome to AWESOME BANK
What do you want to do?
+-----+
| 1 - Withdawal |
| 2 - Balance Inquiry |
| 3 - Exit |
+-----+

Please enter your choice: 2
The balance is 500
Do you want to exit transaction? <Y/N>: _

```

Figure 3

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

```

Welcome to AWESOME BANK
What do you want to do?
+-----+
| 1 - Withdawal |
| 2 - Balance Inquiry |
| 3 - Exit |
+-----+

Please enter your choice: 3
Are you sure want to exit? <Y/N>: y

Thank you!_

```

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

ANSWERS:

```

#include <iostream>

using namespace std;

int main()
{
    cout<<"\t\tWelcome To AWESOME BANK\n";
    cout<<"What do you want to do\n";
    cout<<"\t1 - Withdrwal\n";
    cout<<"\t2 - Balance Inquiry\n";
    cout<<"\t3 - Exit\n";
    int number,amount,i=1;
    int totalamount,total=0;
    int x=1000,z;
    char y;
    cout<<"Please Enter your choice  :";
    cin >>number;
    do{
        if(number==1){
            cout<<"Please Enter the amount in pkr :";
            cin>>amount;

```

```

z=x-amount;
if (amount<1000) {

    cout<<"Thanks For your transaction. Your balance is
" << z << "\n";

    cout<<"Do you want to exit the transaction?(Y/N)";
    cin>>y;
    if (y=='y') {
        cout<<"Thanks you";
        return 0;
    }
    else if (y=='n') {
        cout<<"Please Enter Your choice ";
        return number;
    }
    else {
        cout<<"Please write the correct word";
        return 0;
    }
}
    cout<<"You have insufficant balance funds do so :Thanks
You\n";

}
else if (number==2) {
    cout<<"The balance is : " << x;
    return 0;
}
else if (number==3) {
    cout<<"Are you Sure want to Exit? (Y/N):";
    cin>>y;
    if (y=='y') {
        cout<<"Thanks you";
        return 0;
    }
    else if (y=='n') {
        cout<<"Please Enter Your choice ";
        return number;
    }
    else {
        cout<<"Please write the correct word";
        return 0;
    }
}
else {
    cout<<"You Enter Wrong Number";
    return 0;
}
}

```

OUTPUT RESULT:

The screenshot displays the OnlineGDB website interface. The browser address bar shows the URL https://www.onlinegdb.com/online_c++_compiler. The page features a navigation menu on the left with options like 'My Projects', 'Classroom', and 'Sign Up'. The main area is split into two panes: a code editor and an output terminal. The code editor shows a C++ program with a menu system. The output terminal displays the program's execution, including a welcome message and a menu of options.

```
main.cpp
67
68     }
69     else if(y=='n'){
70         cout<<"Please Enter Your choice ";
        return number;
    }
```

input

```
Welcome To AWESOME BANK
What do you want to do
1 - Withdrawal
2 - Balance Inquiry
3 - Exit
Please Enter your choice :[]
```

https://www.onlinegdb.com/online_c++_compiler