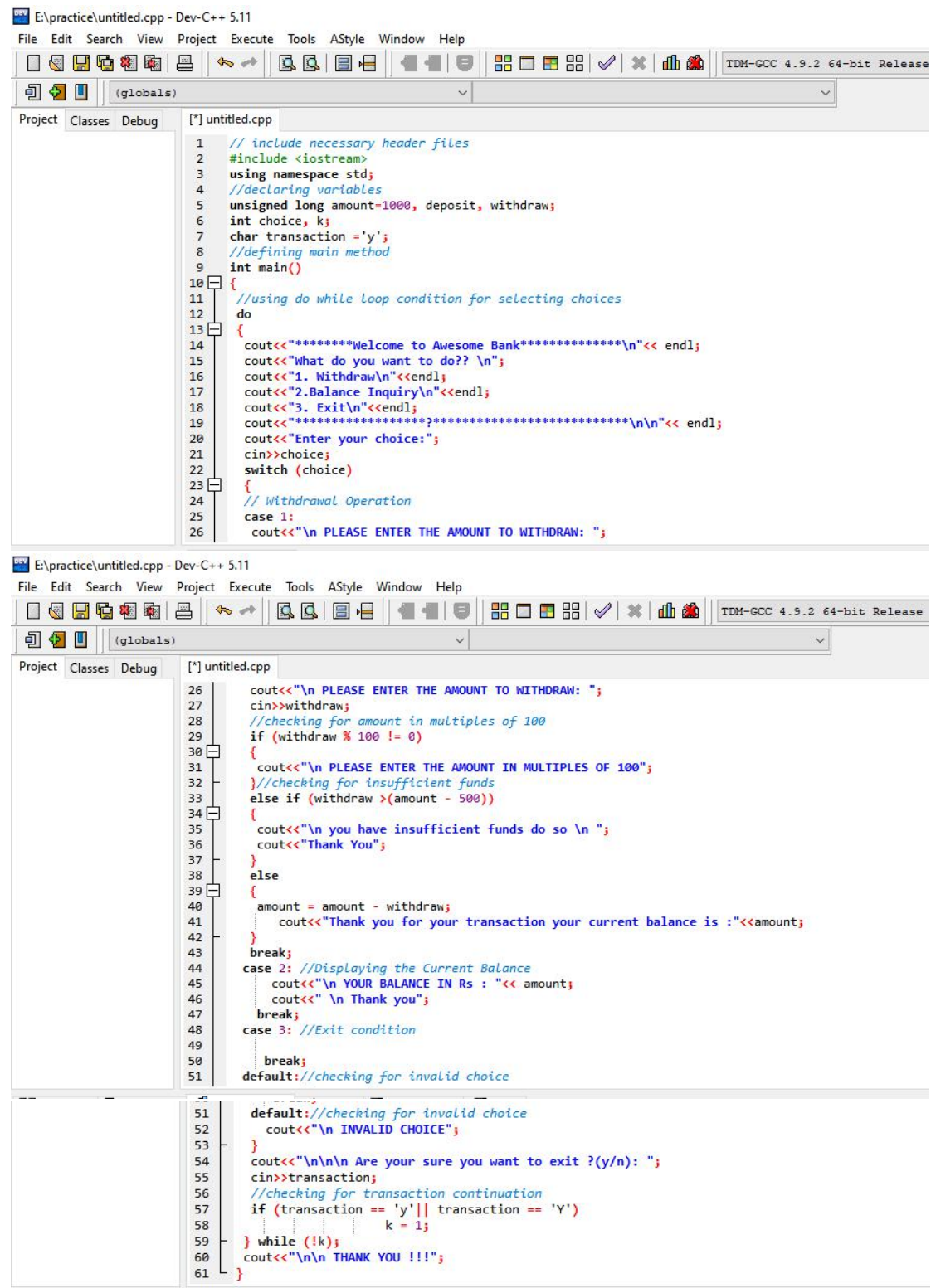


**Name: Aftab Khan      ID:12985**  
**Subject: Programming Fundamentals**

**Answer:                      CODE:**



```
E:\practice\untitled.cpp - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
[*] untitled.cpp
1 // include necessary header files
2 #include <iostream>
3 using namespace std;
4 //declaring variables
5 unsigned long amount=1000, deposit, withdraw;
6 int choice, k;
7 char transaction = 'y';
8 //defining main method
9 int main()
10 {
11 //using do while loop condition for selecting choices
12 do
13 {
14 cout<<"*****Welcome to Awesome Bank*****\n"<< endl;
15 cout<<"What do you want to do?? \n";
16 cout<<"1. Withdraw\n"<<endl;
17 cout<<"2. Balance Inquiry\n"<<endl;
18 cout<<"3. Exit\n"<<endl;
19 cout<<"*****\n\n"<< endl;
20 cout<<"Enter your choice:";
21 cin>>choice;
22 switch (choice)
23 {
24 // Withdrawal Operation
25 case 1:
26 cout<<"\n PLEASE ENTER THE AMOUNT TO WITHDRAW: ";
27
28
29 //checking for amount in multiples of 100
30 if (withdraw % 100 != 0)
31 {
32 cout<<"\n PLEASE ENTER THE AMOUNT IN MULTIPLES OF 100";
33 }//checking for insufficient funds
34 else if (withdraw >(amount - 500))
35 {
36 cout<<"\n you have insufficient funds do so \n ";
37 cout<<"Thank You";
38 }
39 else
40 {
41 amount = amount - withdraw;
42 cout<<"Thank you for your transaction your current balance is :"<<amount;
43 break;
44 case 2: //Displaying the Current Balance
45 cout<<"\n YOUR BALANCE IN Rs : "<< amount;
46 cout<<" \n Thank you";
47 break;
48 case 3: //Exit condition
49
50 break;
51 default://checking for invalid choice
52 cout<<"\n INVALID CHOICE";
53 }
54 cout<<"\n\n Are your sure you want to exit?(y/n): ";
55 cin>>transaction;
56 //checking for transaction continuation
57 if (transaction == 'y' || transaction == 'Y')
58 k = 1;
59 } while (!k);
60 cout<<"\n\n THANK YOU !!!";
61 }
```

```
ls) E:\practice\untitled.exe
*****Welcome to Awesome Bank*****

What do you want to do??
1. Withdraw

2. Balance Enquiry

3. Exit

*****?*****

Enter your choice:1

PLEASE ENTER THE AMOUNT TO WITHDRAW: 2000

you have insufficient funds do so
Thank You

Are your sure you want to exit?(y/n):
```

```
bug E:\practice\untitled.exe
*****Welcome to Awesome Bank*****

What do you want to do??
1. Withdraw

2. Balance Enquiry

3. Exit

*****?*****

Enter your choice:1

PLEASE ENTER THE AMOUNT TO WITHDRAW: 200
Thank you for your transaction your current balance is :800

Are your sure you want to exit?(y/n):
```

```
15) E:\practice\untitled.exe
*****Welcome to Awesome Bank*****

What do you want to do??
1. Withdraw

2. Balance Enquiry

3. Exit

*****?*****

Enter your choice:2

YOUR BALANCE IN Rs : 1000
Thank you

Are your sure you want to exit?(y/n):
```

```
E:\practice\untitled.exe
*****Welcome to Awesome Bank*****

What do you want to do??
1. Withdraw

2. Balance Enquiry

3. Exit

*****?*****

Enter your choice:3

Are your sure you want to exit?(y/n): Y

THANK YOU !!!
-----
Process exited after 5.12 seconds with return value 0
Press any key to continue . . .
```

## CODE:

```
// include necessary header files
#include <iostream>
using namespace std;
//declaring variables
unsigned long amount=1000, deposit, withdraw;
int choice, k;
char transaction ='y';
//defining main method
int main()
{
//using do while loop condition for selecting choices
do
{
    cout<<"*****Welcome to Awesome
Bank*****\n" << endl;
    cout<<"What do you want to do?? \n";
    cout<<"1. Withdraw\n" << endl;
    cout<<"2. Balance Enquiry\n" << endl;
    cout<<"3. Exit\n" << endl;
    cout<<"*****?*****\n\n" << endl;
    cout<<"Enter your choice:";
    cin>>choice;
    switch (choice)
    {
// Withdrawal Operation
    case 1:
        cout<<"\n PLEASE ENTER THE AMOUNT TO WITHDRAW:
";
        cin>>withdraw;
        //checking for amount in multiples of 100
        if (withdraw % 100 != 0)
        {
            cout<<"\n PLEASE ENTER THE AMOUNT IN MULTIPLES
OF 100";
        } //checking for insufficient funds
        else if (withdraw >(amount - 500))
        {
```

```

    cout<<"\n you have insufficient funds do so \n ";
    cout<<"Thank You";
}
else
{
    amount = amount - withdraw;
    cout<<"Thank you for your transaction your current balance
is :"<<amount;
}
break;
case 2: //Displaying the Current Balance
    cout<<"\n YOUR BALANCE IN Rs : "<< amount;
    cout<<" \n Thank you";
    break;
case 3: //Exit condition

    break;
default://checking for invalid choice
    cout<<"\n INVALID CHOICE";
}
cout<<"\n\n\n Are your sure you want to exit?(y/n): \n";
cin>>transaction;
//checking for transaction continuation
if (transaction == 'y' || transaction == 'Y')
    k = 1;
} while (!k);
cout<<"\n\n THANK YOU !!!";
}

```

# THE END