

Madam Iqra Lab: Quiz 2:

Question 1:

```
#include<iostream>
using namespace std;
int main()
{
    int balance = 1000, withdraw=0, deposit = 0, option = 0;
    do{
        cout<<"\t\tMenu: "<<endl;
        cout<<"\t\t1:Deposit Money\n\t\t2:Withdraw Money\n\t\t3:Check
Balance\n\t\t4:Exit"<<endl;
        cout<<"Select an option(As per number): ";
        cin>>option;
        if (option == 1)
        {
            cout<<"Enter Amount to deposit: ";
            cin>>deposit;
            while(deposit<=0)
            {
                cout<<"Invalid Amount"<<endl;
                cout<<"Enter Amount to deposit: ";
                cin>>deposit;

                continue;
            }
            if(deposit>0)
            {
                balance = balance + deposit;
                cout<<"Deposit Successful! New Balance = " <<
balance <<endl;
                continue;
            }
        }
        else if(option == 2)
        {
            cout<<"Enter Withdraw amount: ";
            cin>>withdraw;
```

```

        while(withdraw<0||withdraw>balance)
        {
            cout<<"Invalid Amount"<<endl;
            cout<<"Enter Amount to withdraw: ";
            cin>>withdraw;

            continue;
        }
        if(withdraw>=0)
        {
            balance = balance - withdraw;
            cout<<"Withdraw Successful! New Balance = "<<
balance <<endl;
            continue;
        }
    }
    else if(option == 3)
    {
        cout<<"Current balance is: "<< balance<<endl;
        continue;
    }
    else if(option == 4 )
    {
        cout<<"Program Exit"<<endl;
        break;
    }
    else{
        cout<<"Invalid Input"<<endl;
        continue;
    }

}while(option!=4);

}

```

Screenshot:

```
Menu:
1:Deposit Money
2:Withdraw Money
3:Check Balance
4:Exit
Select an option(As per number): 1
Enter Amount to deposit: 500
Deposit Successful! New Balance = 1500
Menu:
1:Deposit Money
2:Withdraw Money
3:Check Balance
4:Exit
Select an option(As per number): 2
Enter Withdraw amount: 1000
Withdraw Successful! New Balance = 500
Menu:
1:Deposit Money
2:Withdraw Money
3:Check Balance
4:Exit
Select an option(As per number): 3
Current balance is: 500
Menu:
1:Deposit Money
2:Withdraw Money
3:Check Balance
4:Exit
Select an option(As per number): 4
Program Exit
```

Question 2:

```
#include<iostream>
using namespace std;
int main()
{
    int secretnum, input, i = 0;    //i for iteration.
    cout<<"Enter the Secret number: ";
    cin>>secretnum;

    do
```

```
{

    cout<<"Enter your guess: ";
    cin>>input;
    if(input==secretnum)
    {
        cout<<"Congrats! Correct Guess"<<endl;
    }
    else if(input!=secretnum && input>0 && input < 100)
    {
        if(input>secretnum)
        {
            cout<<"Too high! Try again"<<endl;
            cout<<"Remaining Tries: "<<5-i<<endl;
            i++;
            continue;
        }
        else if(input<secretnum)
        {
            cout<<"Too Low! Try again "<<endl;
            cout<<"Remaining Tries: "<<5-i<<endl;
            i++;
            continue;
        }
    }
    else
    {
        cout<<"Invalid Input! Enter 1-100 only."<<endl;
        continue;
    }
}while(input!=secretnum && i<=5);

}
```

Screenshot:

```
Enter the Secret number: 56
Enter your guess: 45
Too Low! Try again
Remaining Tries: 5
Enter your guess: 342
Invalid Input! Enter 1-100 only.
Enter your guess: 23
Too Low! Try again
Remaining Tries: 4
Enter your guess: 9
Too Low! Try again
Remaining Tries: 3
Enter your guess: 90
Too high! Try again
Remaining Tries: 2
Enter your guess: 49
Too Low! Try again
Remaining Tries: 1
Enter your guess: 32
Too Low! Try again
Remaining Tries: 0
PS D:\Software Engineering FAST-NUCES\1st Semester\Programming Fundamentals, Lab\Quiz Week 10> g++ P243032_Muhammad_Maaz_Quiz_1_Q2.cpp
```