Name: - Tanish Gupta

Roll no: - 32338

Batch: - M7

Code:-

```cpp
#include<iostream>
#include<string>
#include<conio.h>
using namespace std;
string EnterPassword(){
    string numstg="";
    char ch=getch();

    while (ch != '\r')
    {
        cout << '*';
        numstg += ch;
        ch = getch();
    }

    return numstg;
}

int main(){

    //default pass
    int ch;
    char ans = 'y';
    string pass="admin123";
```

```cpp
string input;

string newpass;

string passw;

string password;

string temp;


while(ans=='y'){

    cout<<"enter no to perform:-"<<endl;

cout<<"  1.Default password to login\n  2.Password in plain text to login\n  3.Password transmitted in plain text to login "<<endl;

cin>>ch;

switch(ch){


    case 1:


    cout<<"Enter password to login: ";

    cin>>input;


    if(input==pass){


        cout<<"Login successful"<<endl;

    cout<<"Please set new password: ";

    cin>>newpass;

    cout<<"Password successfully changed.You have been logged out"<<endl;


    cout<<"ENTER PASSWORD TO LOGIN"<<endl;

    cin>>input;

    if(input==newpass){
```

```cpp
        cout<<"Login successful"<<endl;


    }
    else{
        cout<<"Login unsuccessful"<<endl;
        return 0;
    }


    }
    else{
        cout<<"Login unsuccessful"<<endl;


    }


    break;


    case 2:
    cout << "Enter your password! ";
    password = EnterPassword();
    cout << endl << "password:" << password << endl;
    break;


    case 3:


    cout<<"Enter your password:";
    cin>>passw;
    int n=passw.length();
    for (int i = 0; i < n / 2; i++){
        swap(passw[i], passw[n - i - 1]);
```

```
            }

            cout<<passw;

            break;


        }

        cout<<"\nDo you want to perform another operation?(y/n)";

        cin>>ans;


    }

}
```

PS C:\Users\gupta\OneDrive\Documents\NS> cd "c:\Users\gupta\OneDrive\Documents\NS\" ; if ($?) { g++ Expt1.cpp -o Expt1 } ; if ($?
) { .\Expt1 }
enter no to perform:-
    1.Default password to login
    2.Password in plain text to login
    3.Password transmitted in plain text to login
1
Enter password to login: Admin
Login unsuccessful

Do you want to perform another operation?(y/n)y
enter no to perform:-
    1.Default password to login
    2.Password in plain text to login
    3.Password transmitted in plain text to login
1
Enter password to login: admin123
Login successful
Please set new password: Tanish
Password successfully changed.You have been logged out
ENTER PASSWORD TO LOGIN
Tanish
Login successful

Do you want to perform another operation?(y/n)y
enter no to perform:-
    1.Default password to login
    2.Password in plain text to login
    3.Password transmitted in plain text to login
2
Enter your password! ******
password:Tanish

Do you want to perform another operation?(y/n)y
enter no to perform:-
    1.Default password to login
    2.Password in plain text to login
    3.Password transmitted in plain text to login
3
Enter your password:Tanish
hsinaT
Do you want to perform another operation?(y/n)n
PS C:\Users\gupta\OneDrive\Documents\NS>

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