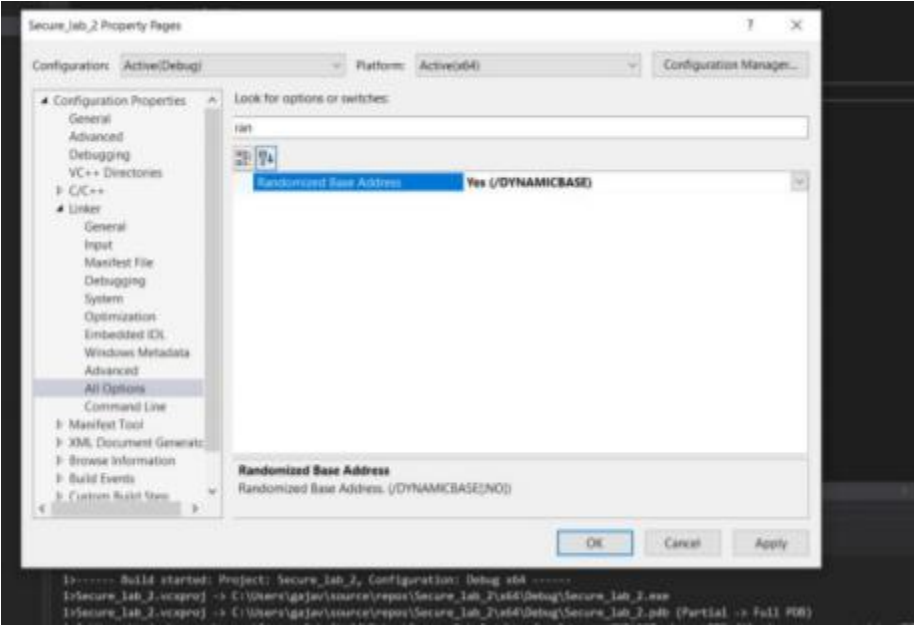


Lab 11

D R THARUN
18BCN7111

```
% Secure_Lab_2 (Global Scope) main()
1  #include <iostream>
2  #include <string>
3
4  using namespace std;
5
6  int main()
7  {
8
9      const string USERNAME = "Admin";
10     const string PASSWORD = "password";
11     string username, password;
12     bool user_validated = false;
13
14     do
15     {
16
17         cout << "Insert ID:";
18         cin >> username;
19
20         if (username.length() < 4)
21         {
22             cout << "Username length must be atleast 4 characters long.";
23         }
24         else
25         {
26             cout << "Insert ID password:";
27             cin >> password;
28
29             if (password.length() < 6)
30             {
31                 cout << "Password length must be atleast 6 characters long." << endl;
32             }
33             else
34             {
35
36                 if (username == USERNAME && password == PASSWORD)
37                 {
38                     // Success
39                 }
40             }
41         }
42     } while (!user_validated);
43 }
```

explorer after enabling DEP, ASLR, SEH

Secure_Lab_2.exe	760 K	4,392 K	4188			Enabled (permanent)	ASLR
SecurityHealthService.exe	3,848 K	12,720 K	12232	Windows Security Health Ser...	Microsoft Corporation	n/a	ASLR
SecurityHealthSystray.exe	1,772 K	8,320 K	12192	Windows Security notification ...	Microsoft Corporation	Enabled (permanent)	ASLR