Ex.No:11 Name: Ganga Suresh Kumar Nair

**Date:** 26-04-2021 **Reg.No:** 18BCN7014

# **Secure Coding**

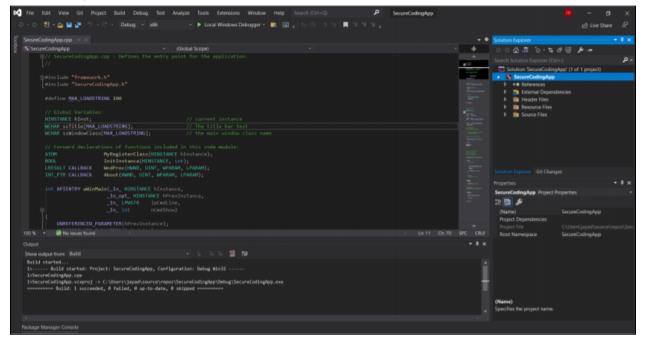
**Lab experiment – Creating secure and safe executable** 

Download and install visual studio (recent edition)
Write a C++ code of your own to build an executable and run the same.

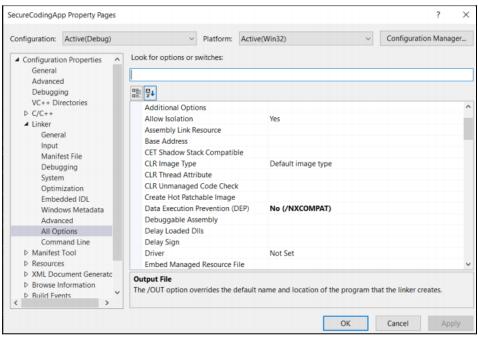
Download process explorer and verify the DEP & ASLR status Enable software DEP, ASLR and SEH in the visual studio and rebuild the same executable

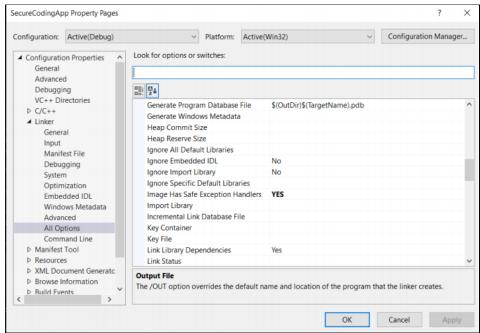
Again, verify the DEP & ASLR status in the process explorer Report the same with separate screenshot - before and after enabling DEP & ASLR.

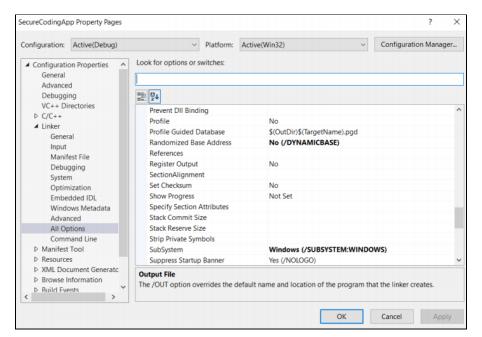
#### **Building the executable**



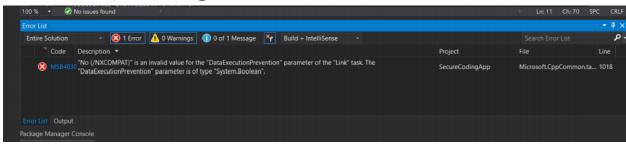
## **Disabling DEP and ASLR**



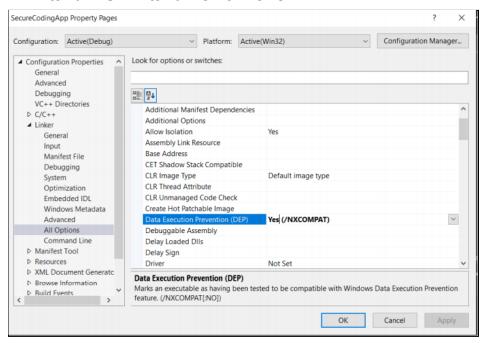


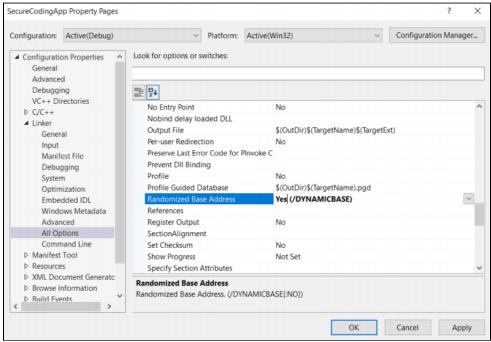


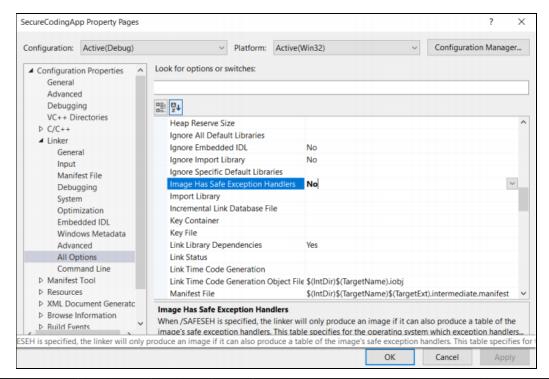
## Build failed, exe not generated

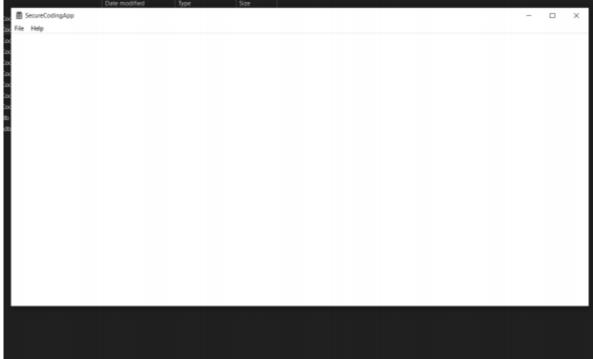


#### **Enable DEP and ASLR and re run the APP**









It works fine.

#### **Process explorer**

