

SECURE CODING (CSE 2010)

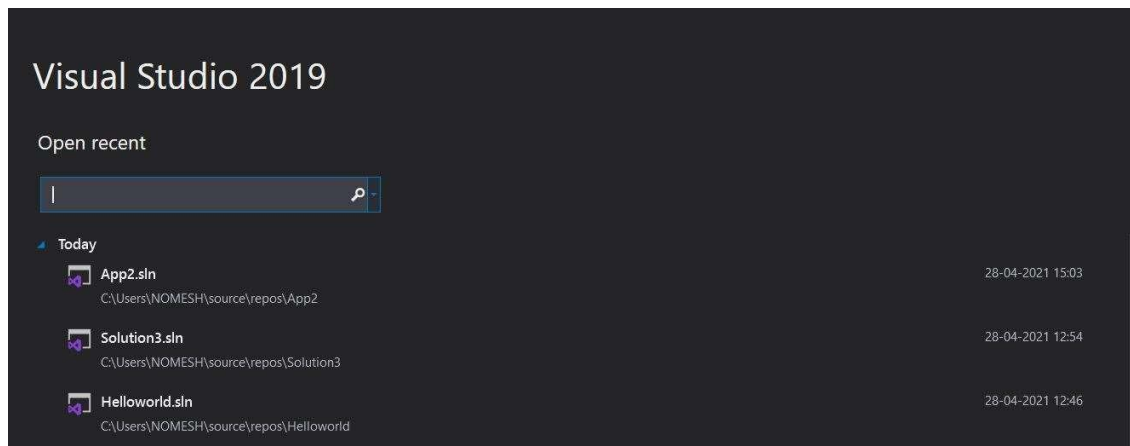
LAB REPORT-11

Submitted by : Veneela Adapa

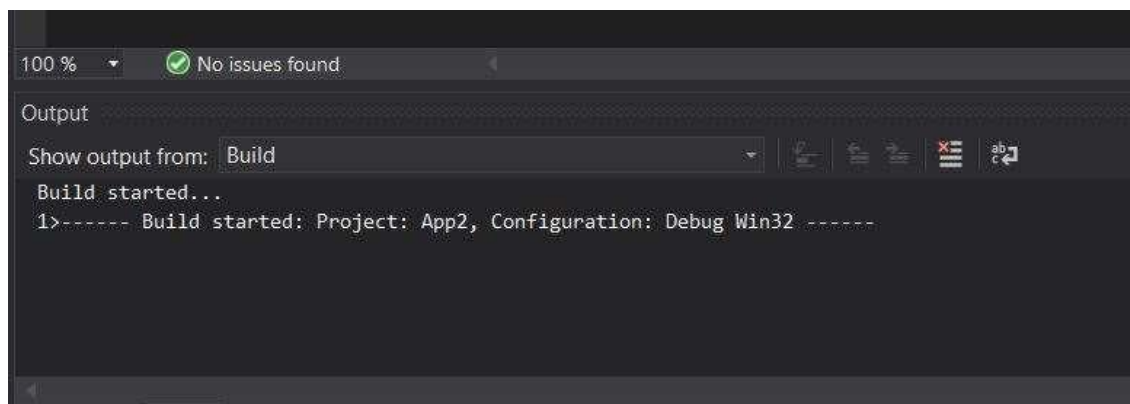
Reg no : 18BCN7127

L39+L40 Slot

- Opening Visual studio:

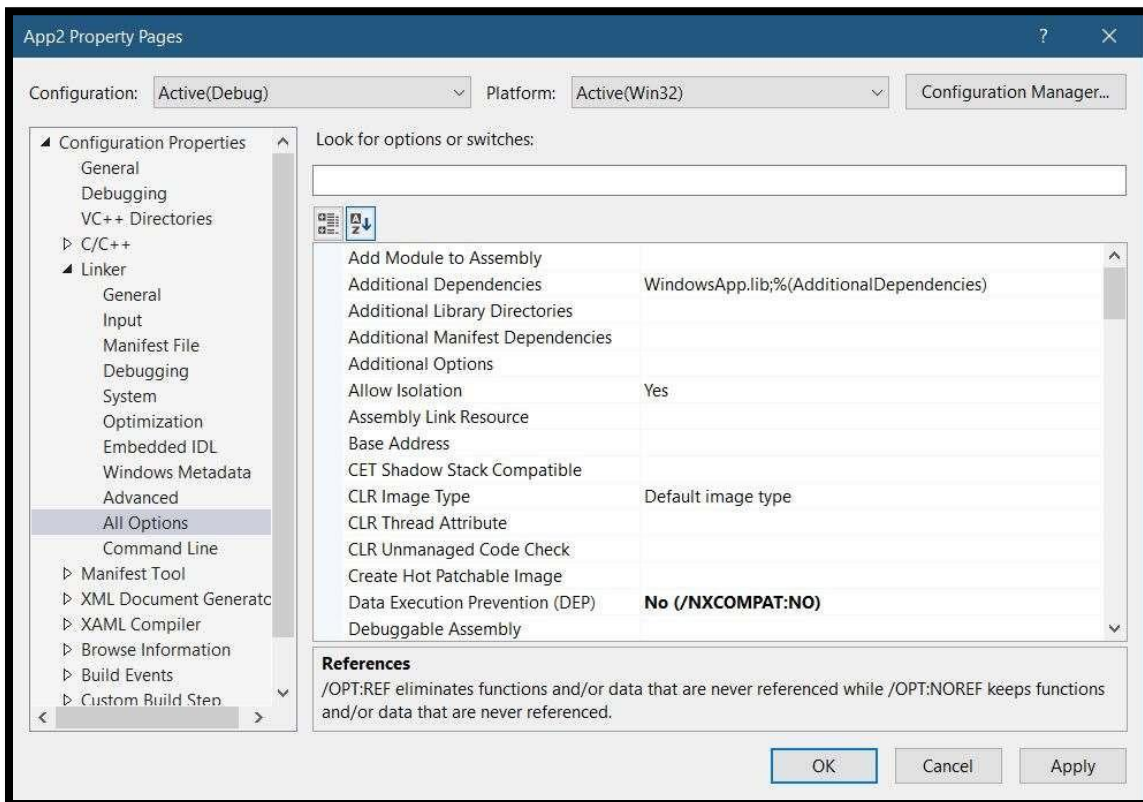


- Generating the .exe file:



```
Output
Show output from: Build
Build started...
1>----- Build started: Project: App2, Configuration: Debug Win32 -----
1> Creating library C:\Users\WOMESH\source\repos\App2\Debug\App2\App2.lib and object C:\Users\WOMESH\source\repos\App2\Debug\App2\App2.exp
1>App2.vcxproj -> C:\Users\WOMESH\source\repos\App2\Debug\App2\App2.exe
----- Build: 1 succeeded, 0 failed, 0 up-to-date, 0 skipped -----
```

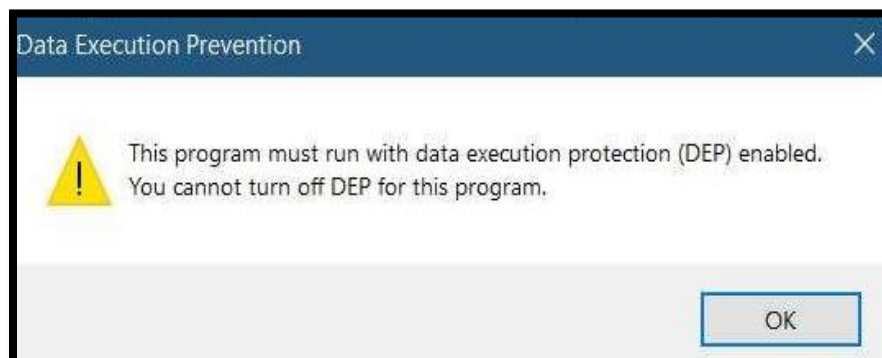
- Disabling the DEP and ALSR:



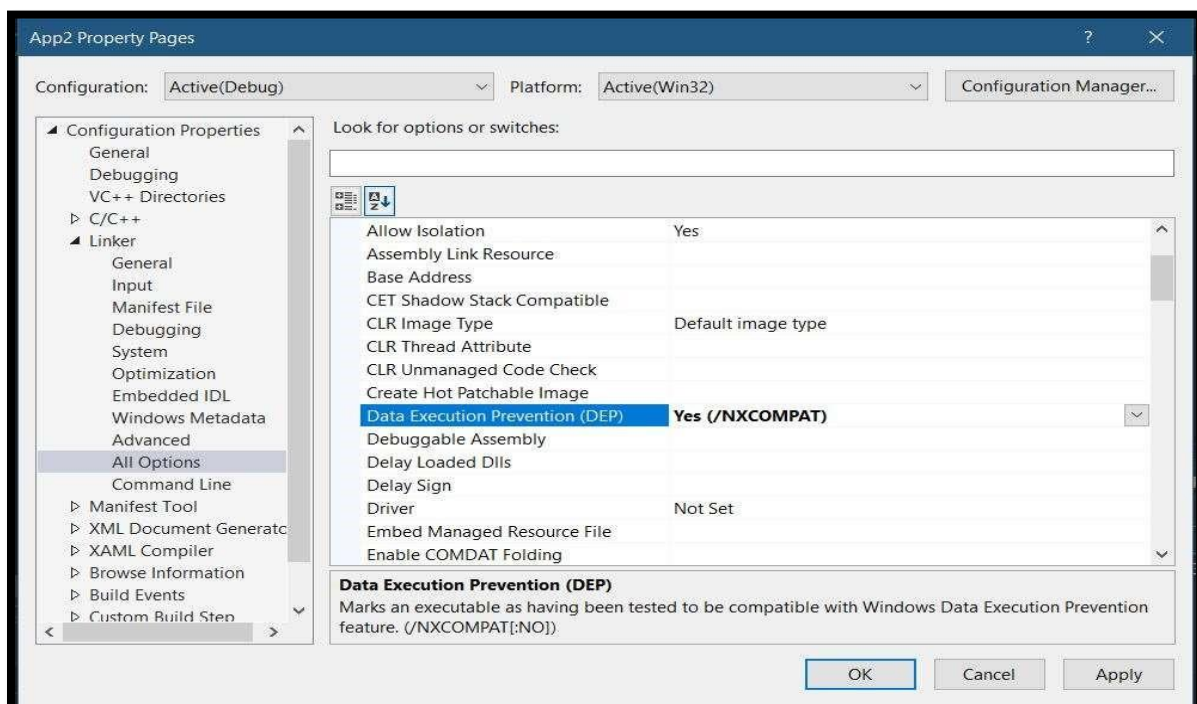
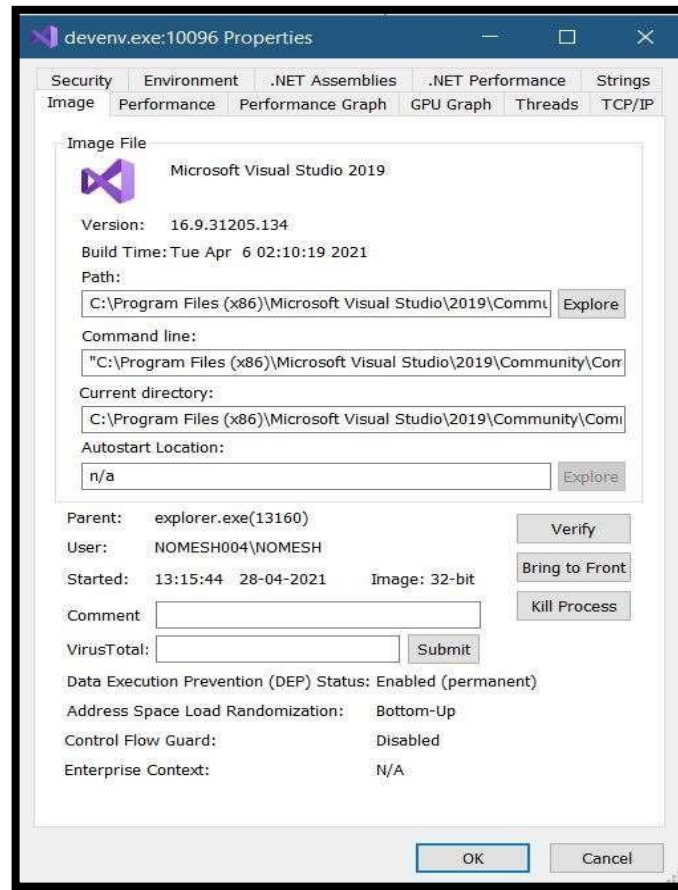
Heap Reserve Size	
Ignore All Default Libraries	
Ignore Embeded IDL	No
Ignore Import Library	Yes
Ignore Specific Default Libraries	
Image Has Safe Exception Handlers	YES
Import Library	

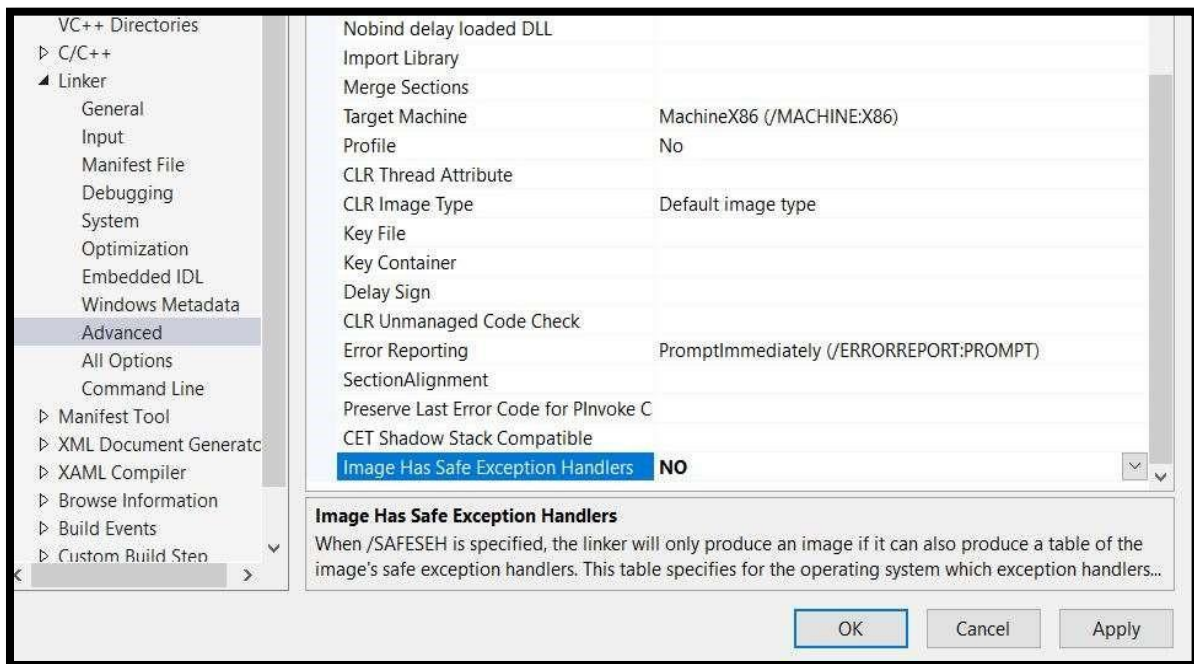
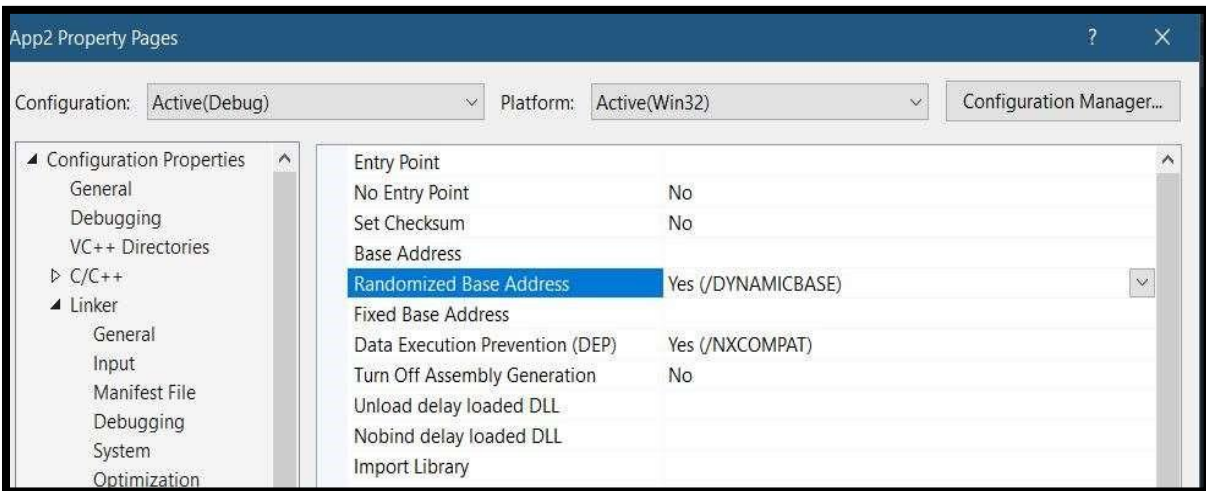
MIDL Commands	
Minimum Required Version	
Module Definition File	
No Entry Point	No
Nobind delay loaded DLL	
Output File	\$(OutDir)\$(TargetName)\$(TargetExt)
Per-user Redirection	No
Preserve Last Error Code for PInvoke C	
Prevent Dll Binding	
Profile	No
Profile Guided Database	\$(OutDir)\$(TargetName).pgd
Randomized Base Address	No (/DYNAMICBASE:NO)
References	
Register Output	No
SectionAlignment	

- After disabling the DEP system doesn't allow to build the .exe file:

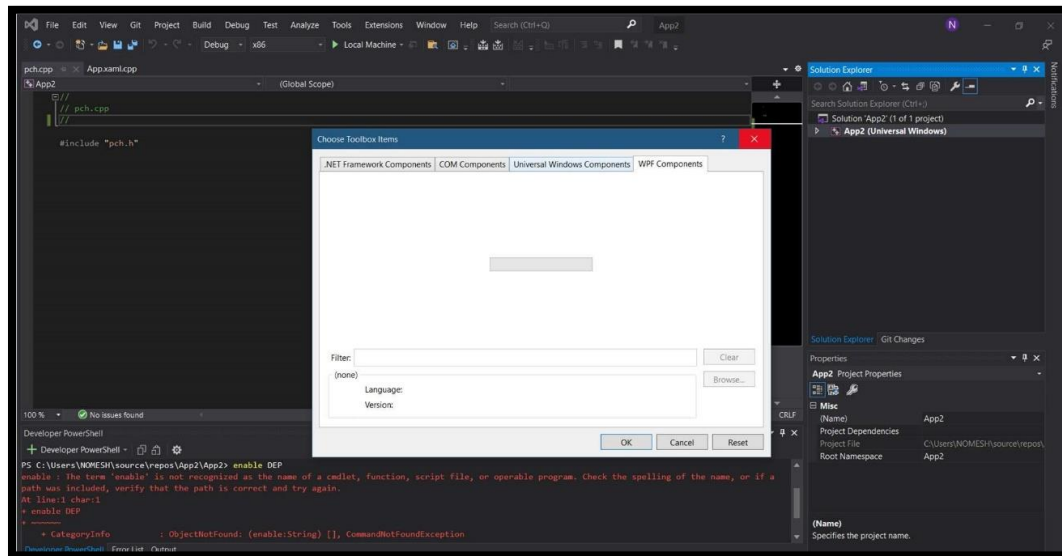


- So after enabling DEP again:





- The visual studio doesn't respond after enabling the ASLR:



- Status of Process Explorer:

 chrome.exe	24,304 K	42,064 K	7070 Google Chrome	Google LLC	Enabled (permane... ASLR	
 chrome.exe	22,200 K	44,564 K	17136 Google Chrome	Google LLC	Enabled (permane... ASLR	
 chrome.exe	17,856 K	23,164 K	2152 Google Chrome	Google LLC	Enabled (permane... ASLR	
 devenv.exe	1.30	246,852 K	3,68,992 K	10096 Microsoft Visual Studio 2019	Microsoft Corporation	Enabled (permane... ASLR
 PerfWatson2.exe	< 0.01	48,792 K	69,516 K	11916 PerfWatson2.exe	Microsoft Corporation	Enabled (permane... ASLR
 Microsoft ServiceHub Contr...	35,140 K	50,676 K	13156 Microsoft ServiceHub Control...	Microsoft	Enabled (permane... ASLR	