Secure Coding Cse 2010

Lab 11

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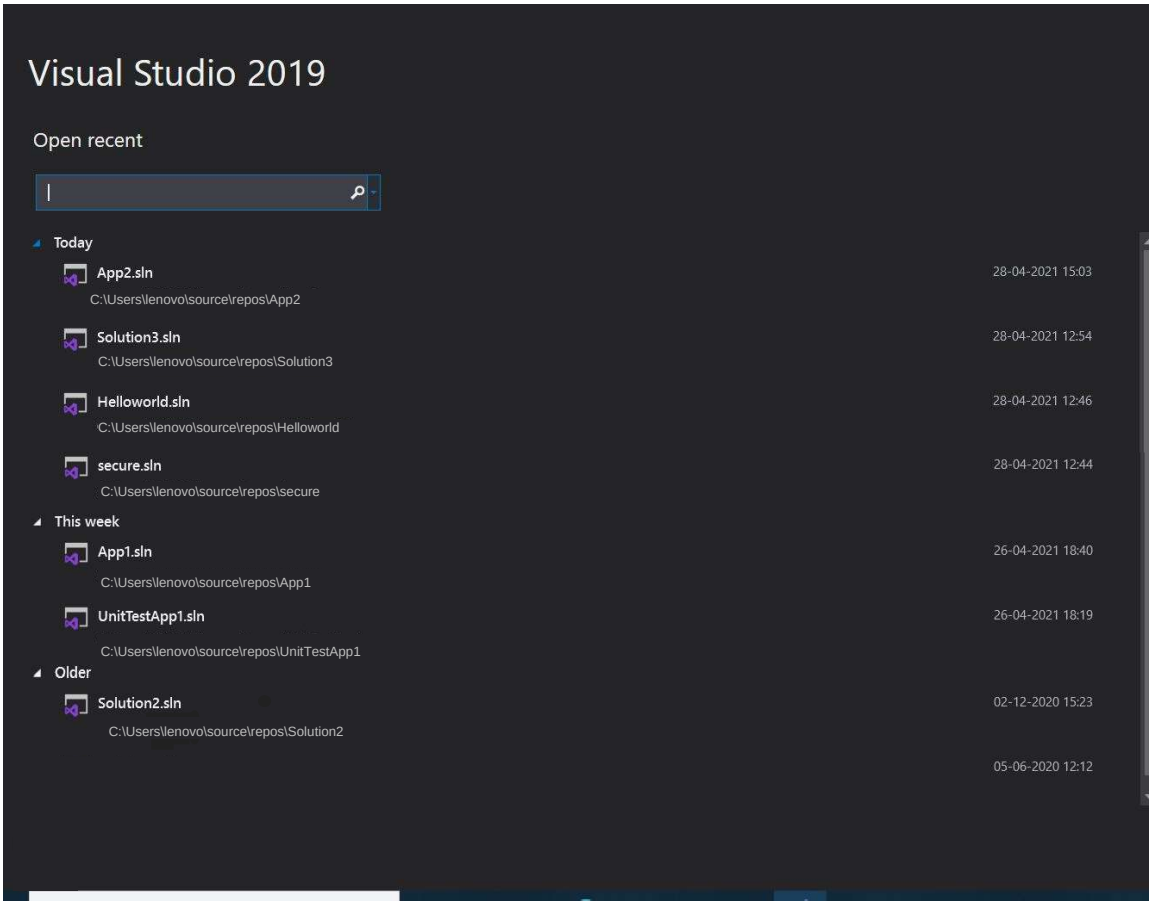
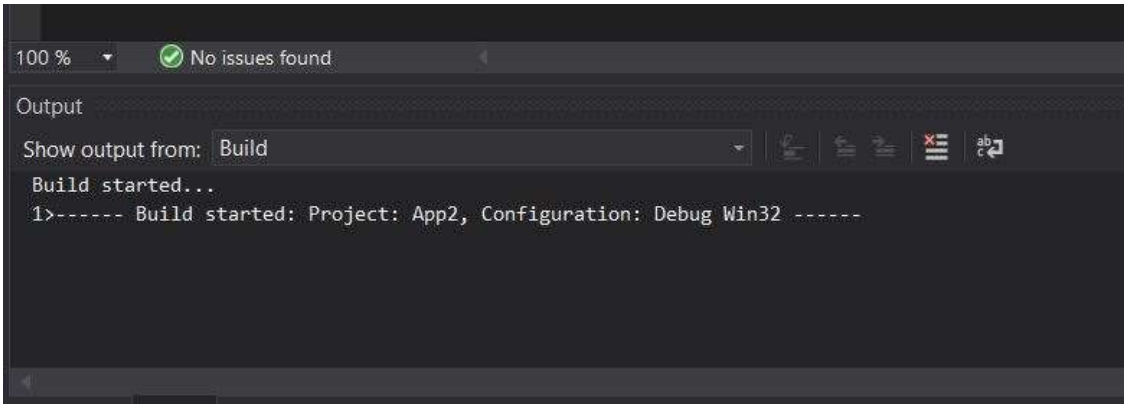
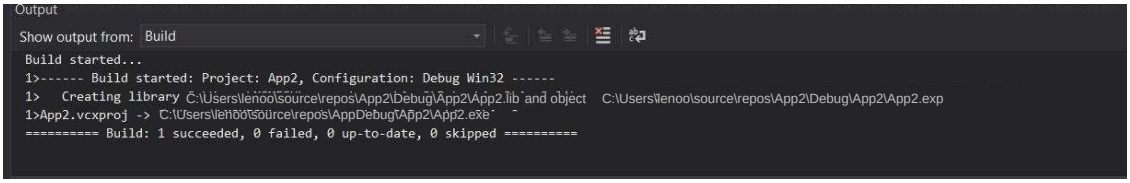
18BCN17141

Installing the Visual studio[2019]

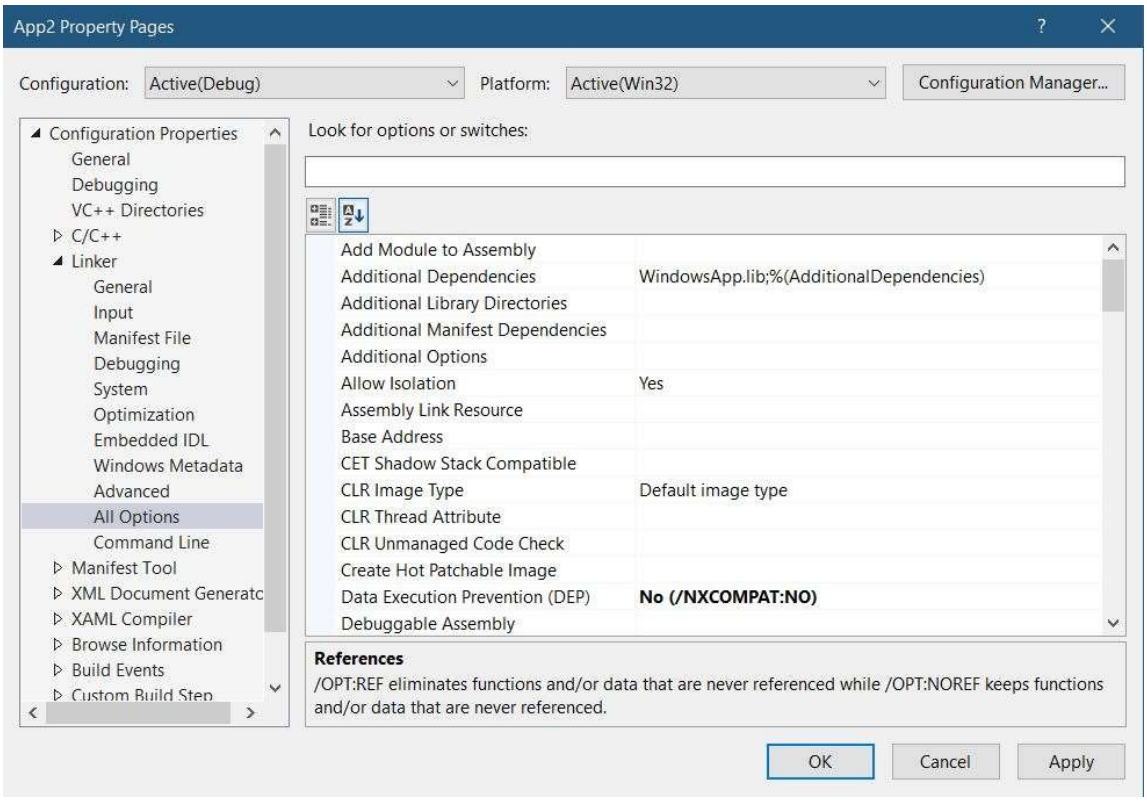


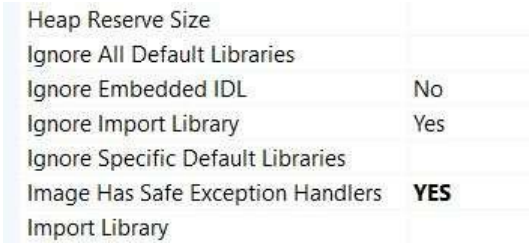
Generating the .exe file





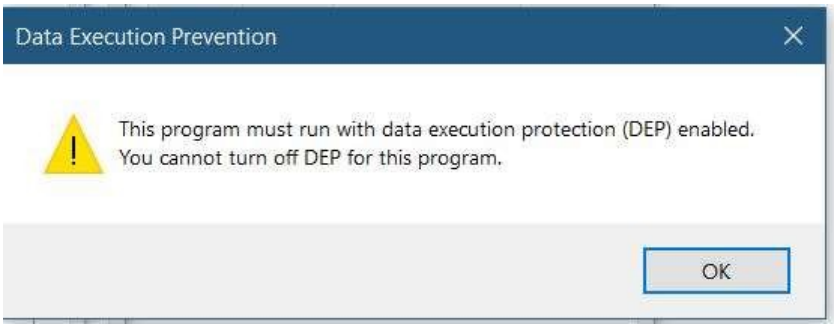
Disabling the DEP and ALSR





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	

Without the DEP my system does not allow me to build the .exe file



After enabling the I run the c++ code to generate the .exe file

Secorrty Environment .NET Assemblies .SET Performance Strings
Image Performance Performance Graph GPU Graph Threads TCP/IP

Ima ge File

Microsoft Visual Studio 2019

Version: 16.9.31205.134

Build Time: Tue Apr 6 02:10:19 2021

Path:

C:\ F°9 °^FFI Files (s86}\Microsoft Visual Studio\2019\C0mm | Explore

Command line:

"C:\Program Files {x86)\Microsoft Visual Studio\2019\Community\Con

Current directory:

C:\Program Files {xB6)\Microsoft Visual Studio\2019\Community\Com

Autostart Location:

n/a Explore

Parent: explorer.exe(13160) Verrfy

User: Charan01/NDMSH I

Started: 13:15:44 28-04-2021 Image: 32-bit Bring to Frorft.

Comment Kill Process

VirusTotal: Submit

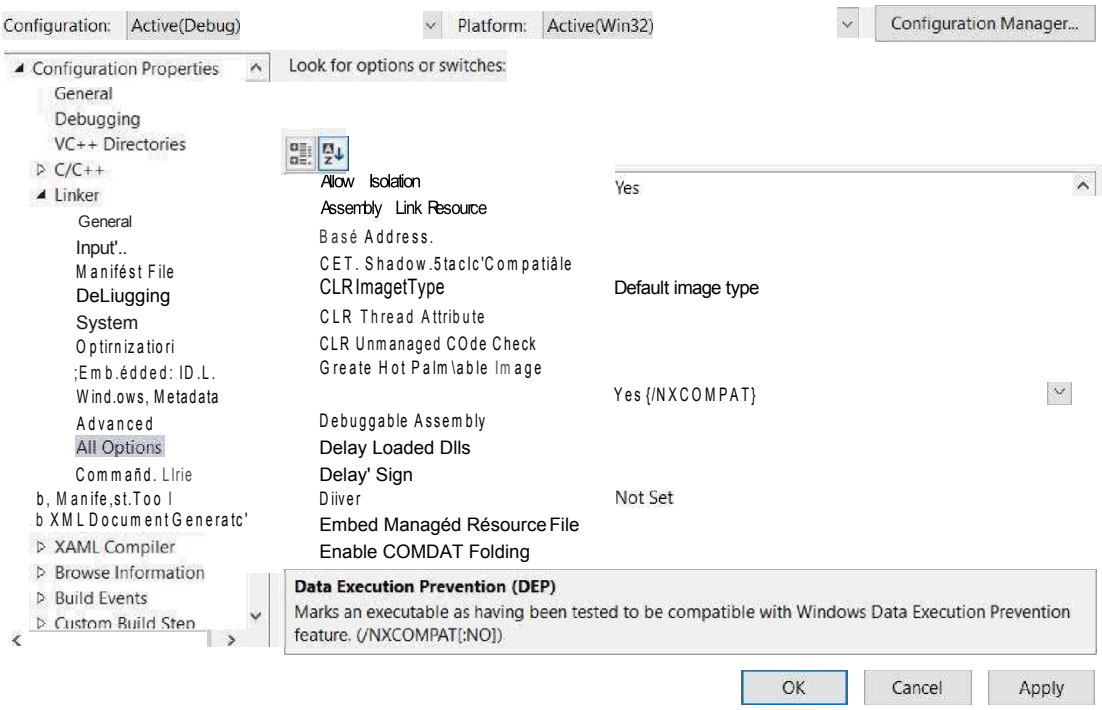
Data Execution Prevention (DEP) States: Enabled (permanent)

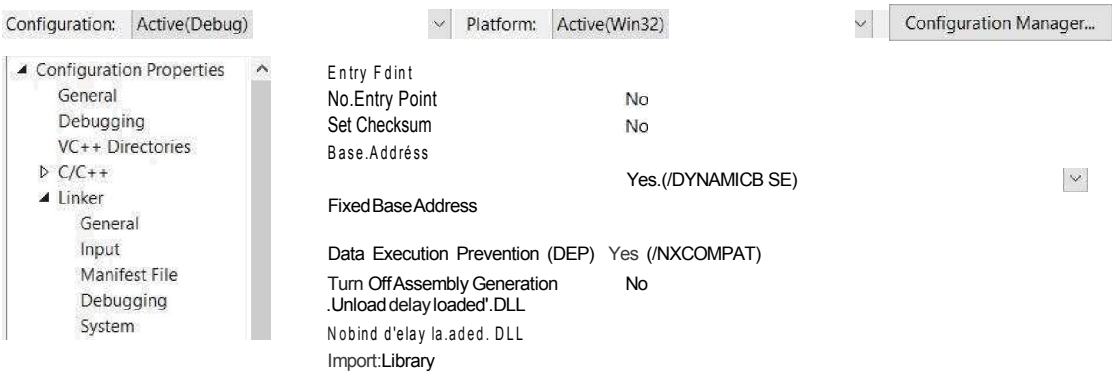
Address Space Load Randomization: Bottom-Up

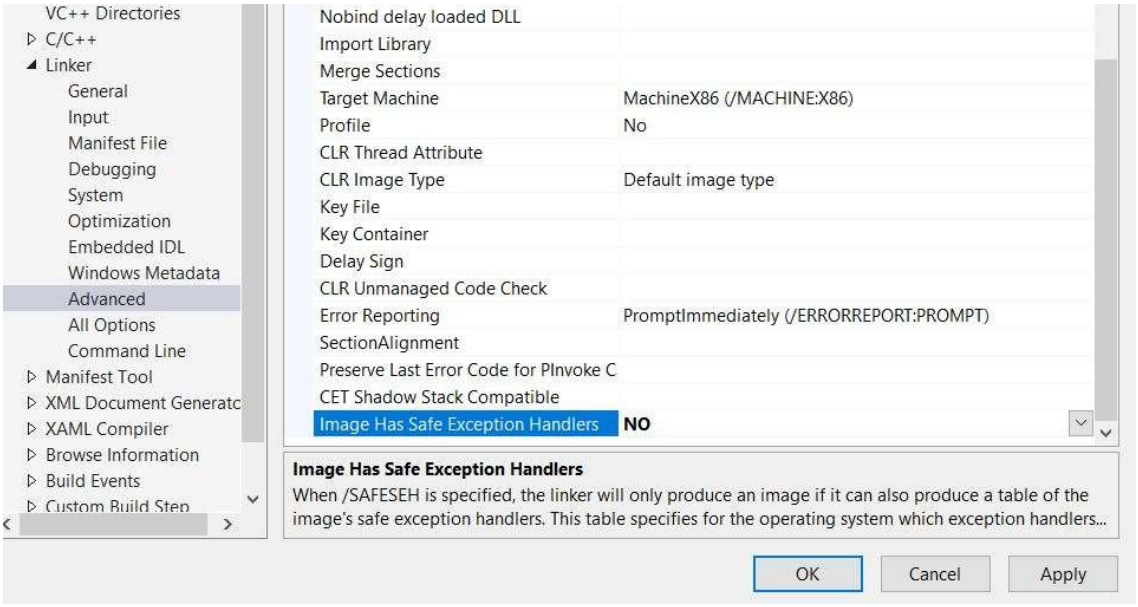
Control Flow Guard: Disabled

Enterprise Conted: h/A

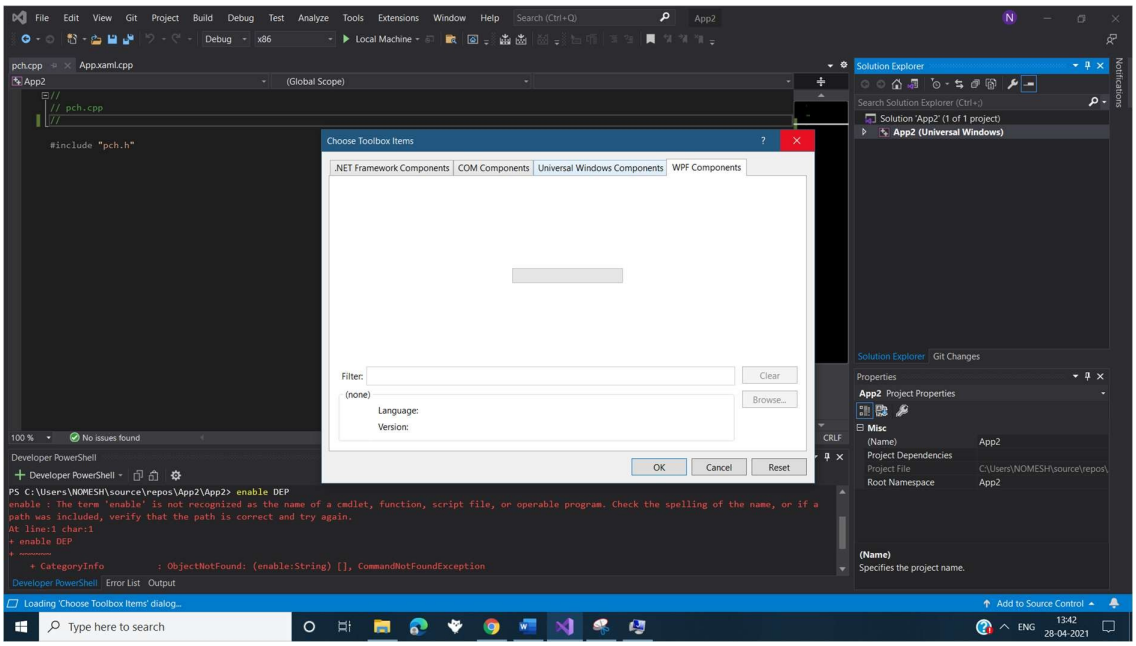
DQ Cancel


Configuration: Active(Debug)
Platform: Active(Win32)
Configuration Manager...
Configuration Properties
General
Debugging
VC++ Directories
C/C++
Linker
General
Input'..
Manifést File
DeLiugging System
Optirnizatiori
;Emb.édded: ID.L.
Wind.ows, Metadata
Advanced
All Options
Commañd. Llrie
b, Manife,st.Too l
b XML Document Generatc'
XAML Compiler
Browse Information
Build Events
Custom Build Step
Look for options or switches:
Allow Isolation
Assembly Link Resource
Basé Address.
CET. Shadow.5taclc'Compatiâle
CLR ImagetType
CLR Thread Attribute
CLR Unmanaged COde Check
Greate Hot Palm\able Image
Debuggable Assembly
Delay Loaded Dlls
Delay' Sign
Diiver
Embed Managéd Résource File
Enable COMDAT Folding
Yes
Default image type
Yes {/NXCOMPAT}
Not Set
Data Execution Prevention (DEP)
Marks an executable as having been tested to be compatible with Windows Data Execution Prevention feature. (/NXCOMPAT[:NO])
OK
Cancel
Apply


Configuration: Active(Debug)
Platform: Active(Win32)
Configuration Manager...
Configuration Properties
General
Debugging
VC++ Directories
C/C++
Linker
General
Input
Manifest File
Debugging
System
Entry Fdint
No.Entry Point
No
Set Checksum
No
Base.Addréss
Yes.(/DYNAMICB SE)
Fixed Base Address
Data Execution Prevention (DEP)
Yes (/NXCOMPAT)
Turn Off Assembly Generation
No
.Unload delay loaded'.DLL
Nobind d'elay la.aded. DLL
Import:Library



The visual studio is not responding after I enabled the ALSR



Process Explorer Status