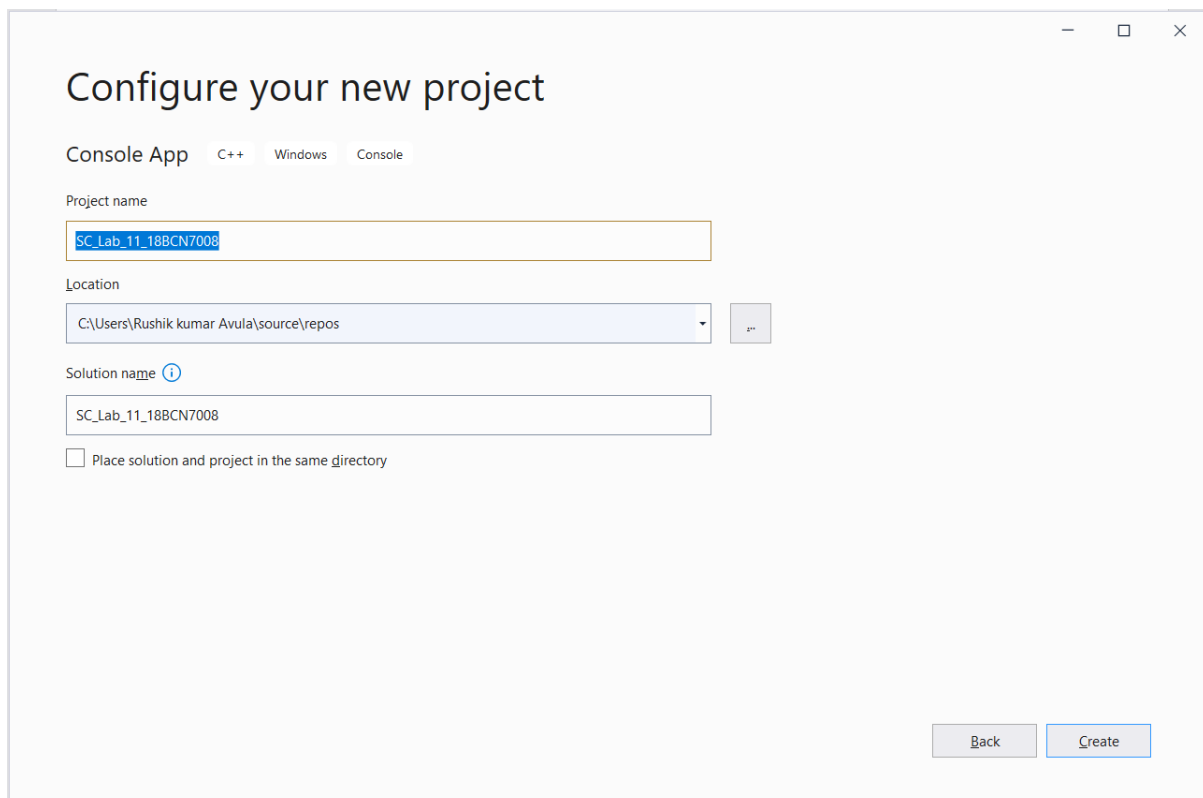
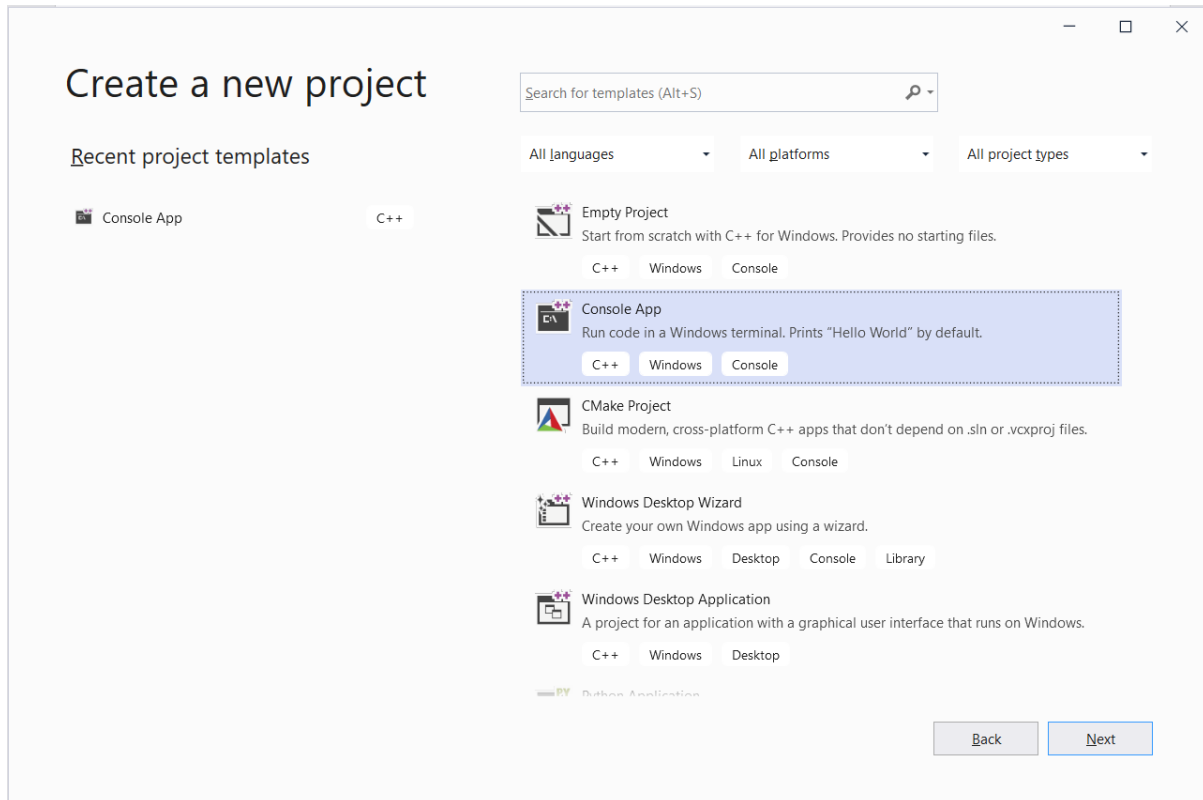


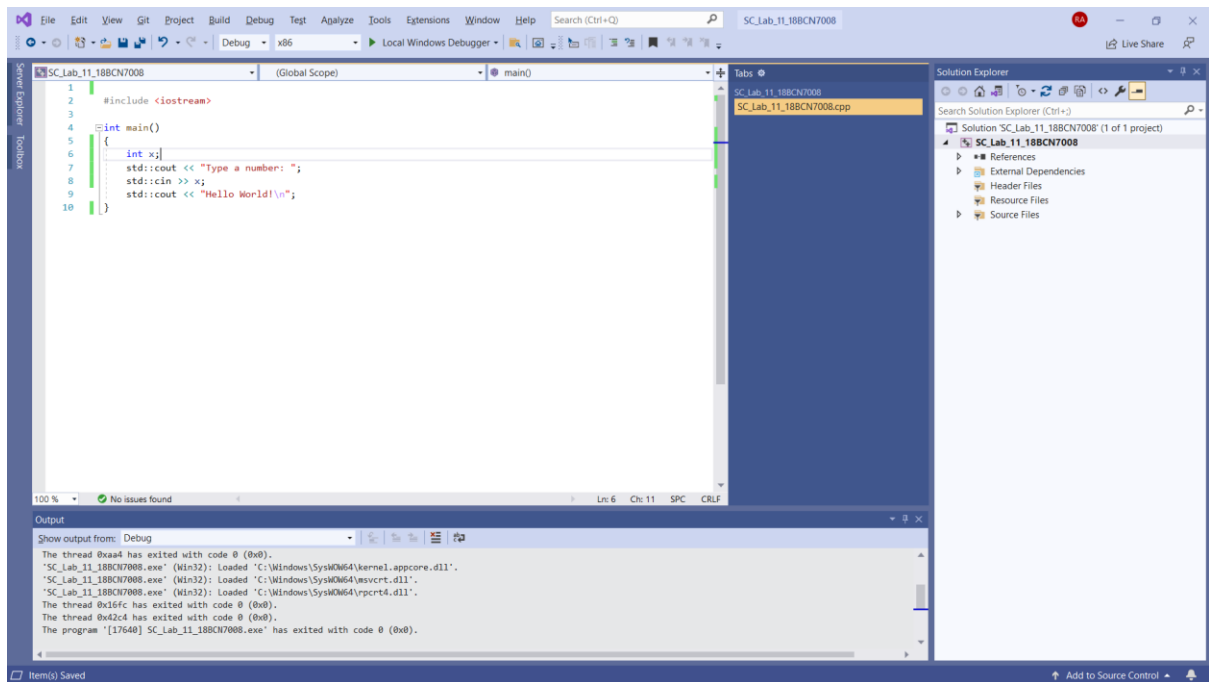
Secure Coding Lab - 11

Name : Rushik kumar Avula

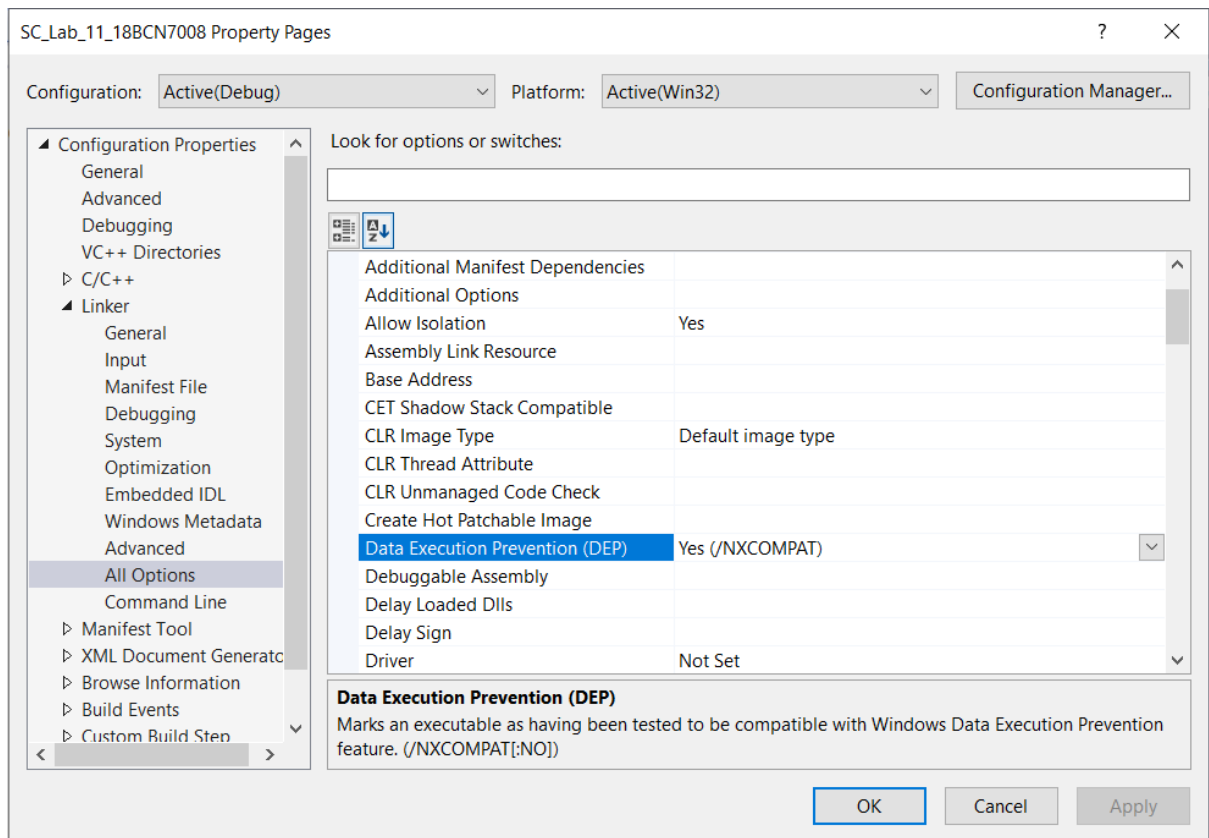
Reg. No: 18BCN7008

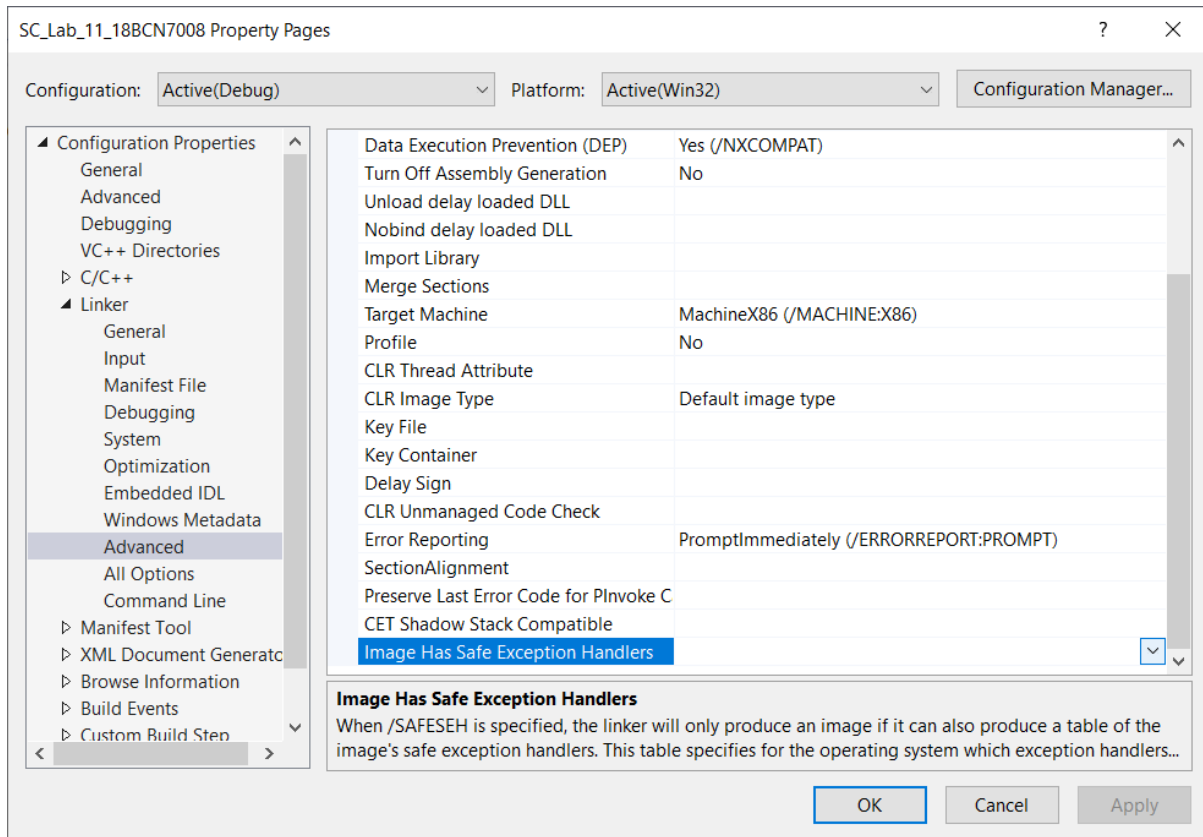
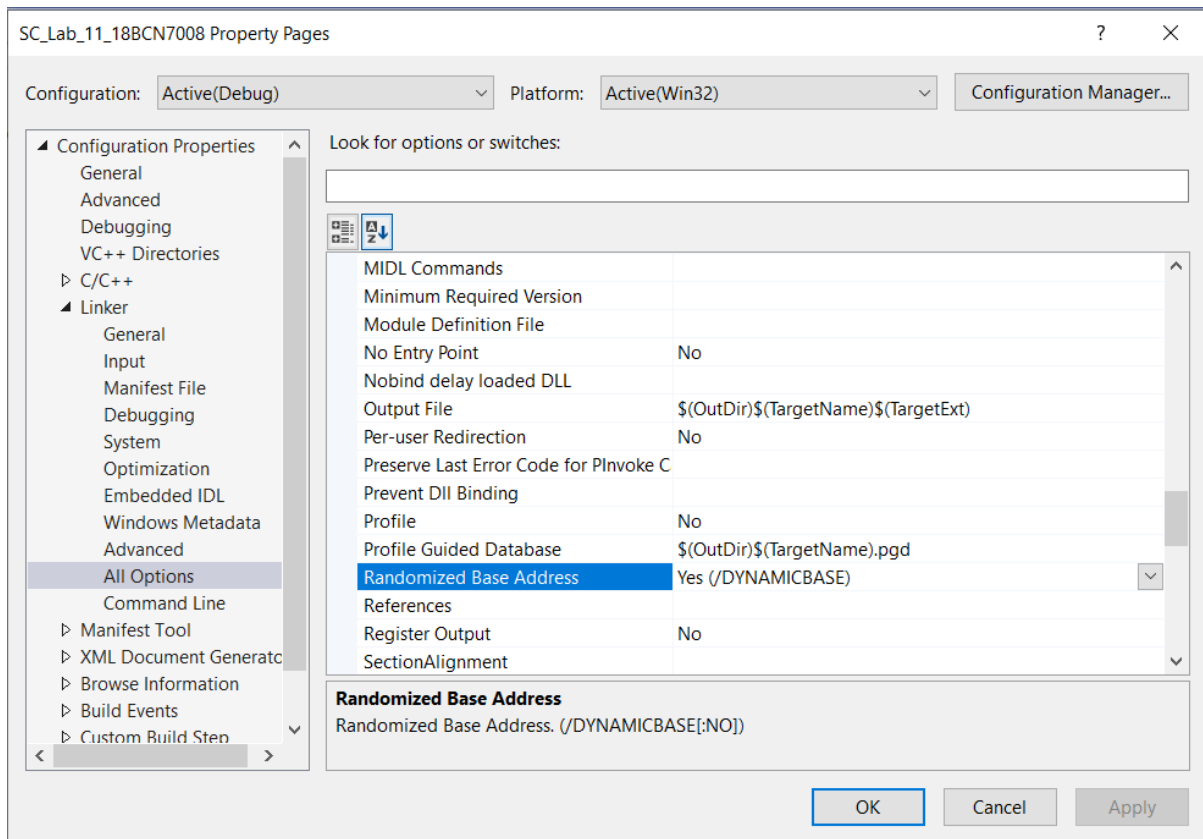
After Downloading the Visual Studio and Process Explorer, creating the new project in visual Studio.



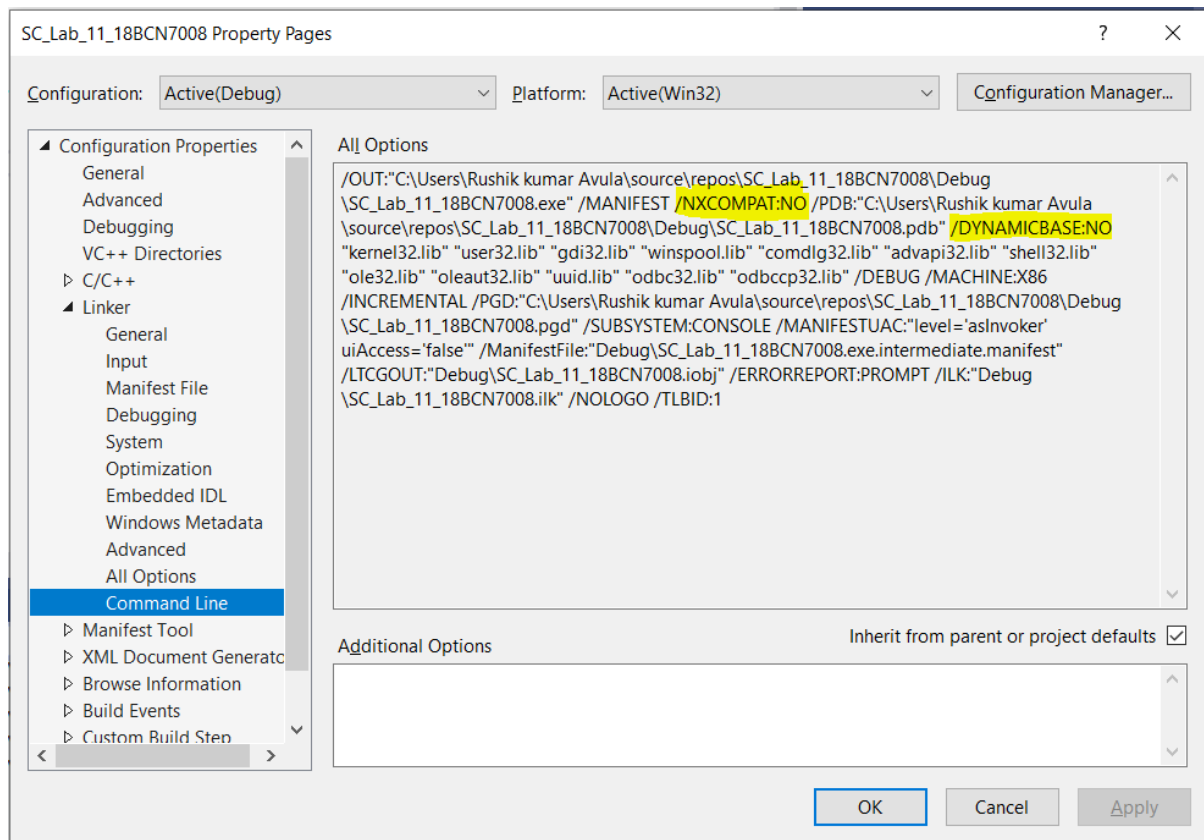


Visiting properties of the project and verifying the DEP, ASLR and SEH properties.

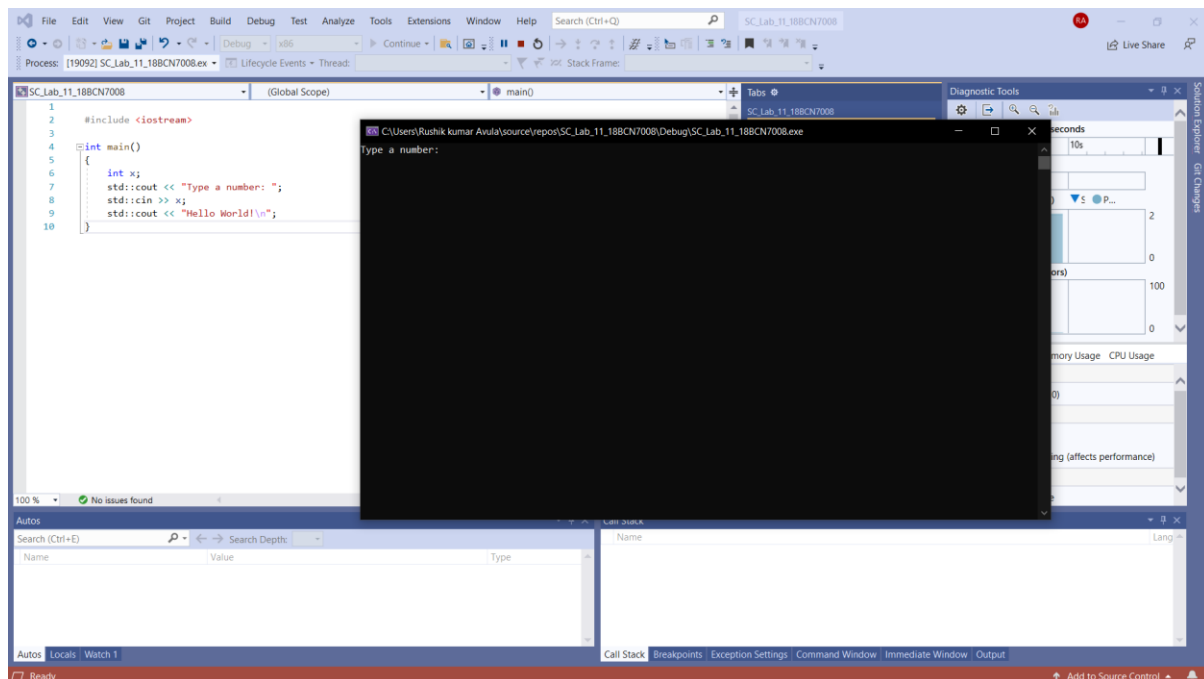




Now I changed the default options to NO for checking them in Process Explorer.



I run the CPP file to get the exe as follows :



Now I started the Process Explorer to check the DEP and ASLR status.

Process	CPU	Private Bytes	Working Set	PID	DEP	ASLR
SC Lab 11 18BCN7008.exe		1,260 K	4,752 K	19092	Disabled (permanent)	

SC_Lab_11_18BCN7008 Property Pages

Configuration: Active(Debug) Platform: Active(Win32) Configuration Manager...

Configuration Properties

- General
- Advanced
- Debugging
- VC++ Directories
- C/C++
- Linker
 - General
 - Input
 - Manifest File
 - Debugging
 - System
 - Optimization
 - Embedded IDL
 - Windows Metadata
 - Advanced
 - All Options
 - Command Line
 - Manifest Tool
 - XML Document Generator
 - Browse Information
 - Build Events
 - Custom Build Steps

All Options

```

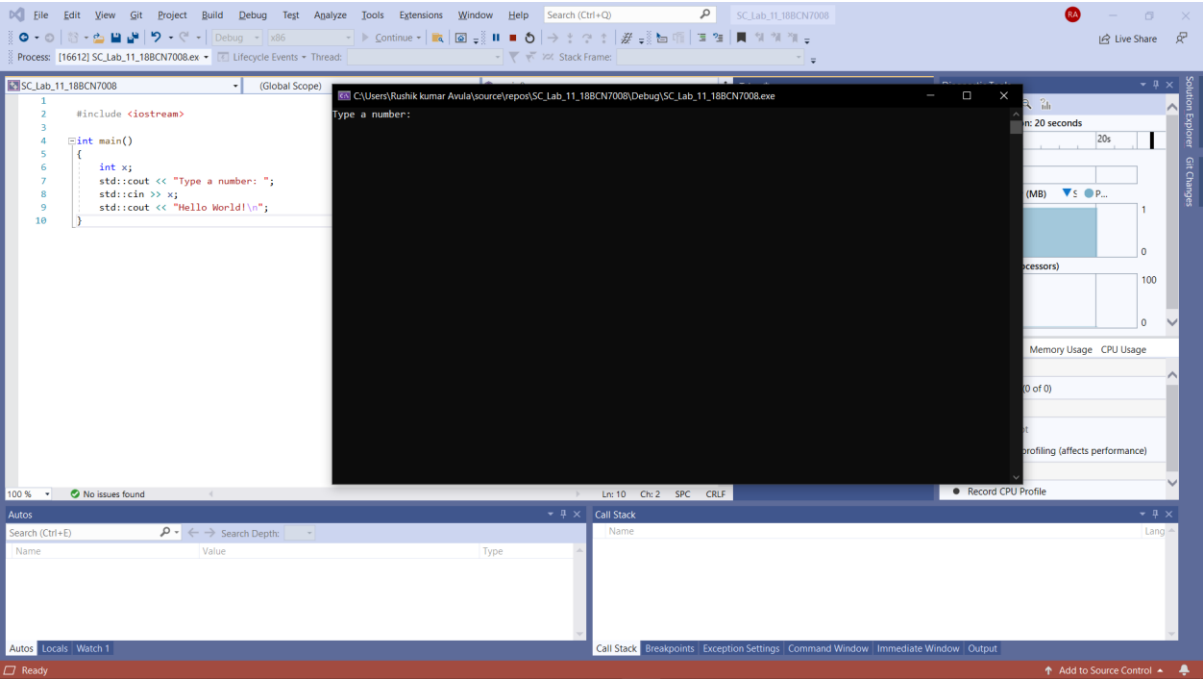
/OUT:"C:\Users\Rushik kumar Avula\source\repos\SC_Lab_11_18BCN7008\Debug
\SC_Lab_11_18BCN7008.exe" /MANIFEST /NXCOMPAT /PDB:"C:\Users\Rushik kumar Avula\source
\repos\SC_Lab_11_18BCN7008\Debug\SC_Lab_11_18BCN7008.pdb" /DYNAMICBASE "kernel32.lib"
"user32.lib" "gdi32.lib" "winspool.lib" "comdlg32.lib" "advapi32.lib" "shell32.lib" "ole32.lib"
"oleaut32.lib" "uuid.lib" "odbc32.lib" "odbccp32.lib" /DEBUG /MACHINE:X86 /SAFESEH
/INCREMENTAL /PGD:"C:\Users\Rushik kumar Avula\source\repos\SC_Lab_11_18BCN7008\Debug
\SC_Lab_11_18BCN7008.pgd" /SUBSYSTEM:CONSOLE /MANIFESTUAC:"level='asInvoker'
uiAccess='false'" /ManifestFile:"Debug\SC_Lab_11_18BCN7008.exe.intermediate.manifest"
/LTCGOUT:"Debug\SC_Lab_11_18BCN7008.iobj" /ERRORREPORT:PROMPT /ILK:"Debug
\SC_Lab_11_18BCN7008.ilc" /NOLOGO /TLBID:1
  
```

Additional Options

Inherit from parent or project defaults ☒

OK Cancel Apply

After Executing again :



Process Explorer - Sysinternals: www.sysinternals.com [AVATAR\Rushik kumar Avula]

File Options View Process Find Users Help						
Process						
SC_Lab_11_18BCN7008.exe	CPU	Private Bytes	Working Set	PID	DEP	ASLR
ScriptedSandbox64.exe	1.48	1,05,896 K	1,37,692 K	16612	Enabled (permanent)	ASLR
SDXHelperBgt.exe	Suspended	3,012 K	2,640 K	8988	Enabled (permanent)	ASLR
SearchApp.exe	Suspended	2,20,912 K	75,940 K	6548	Enabled (permanent)	ASLR
				10292	Enabled (permanent)	ASLR