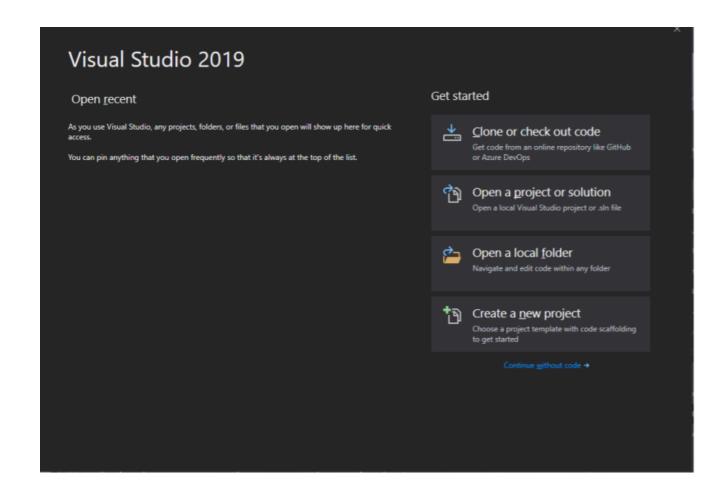
Name: Debavi Banerjee

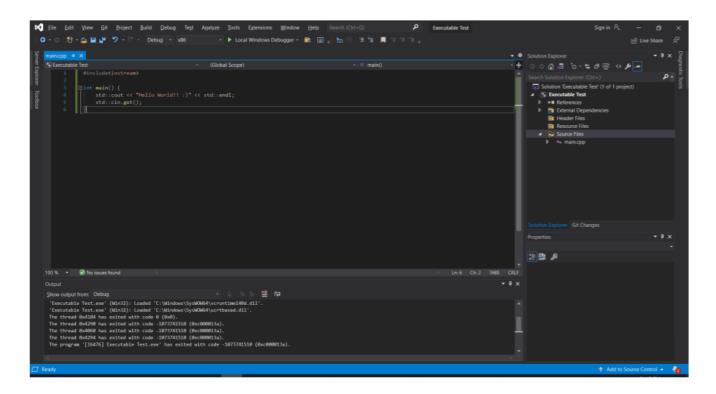
Registration Number: 19BCN7014

Subject Code: CSE2010

1. Download and install visual studio (recent edition)

Write a C++ code of your own to build an executable and run the same.





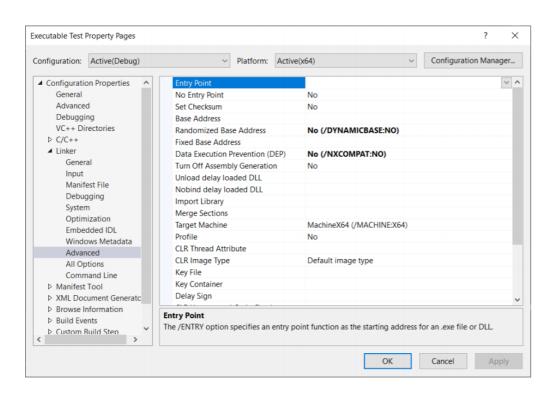


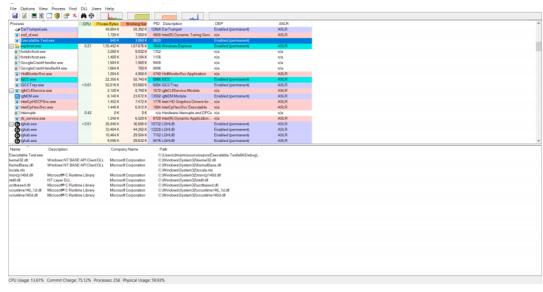
2. Download process explorer and verify the DEP & ASLR status

<u>File Options View Process Find DLL Users Help</u>							
	📓 🗏 🖺 🗀 🍪 🚰 メ	M @					
Proce	ss ^	CPU	Private Bytes	Working Set	PID Description	DEP	ASLR
# =	AMDRSServ.exe	< 0.01	1,83,748 K	21,592 K	11480 Radeon Settings: Host Service	Enabled (permanent)	ASLR
⊞ 🕝	chrome.exe	0.12	1,56,812 K	1,95,964 K	7296 Google Chrome	Enabled (permanent)	ASLR
B75	conhost.exe		6,308 K	11,220 K	16000 Console Window Host	Enabled (permanent)	ASLR
B19	conhostexe		6,944 K	16,516 K	8152 Console Window Host	Enabled (permanent)	ASLR
	csrss.exe	< 0.01	2,176 K	6,288 K	824	n/a	n/a
	csrss.exe	0.12	2,832 K	7,604 K	6740	n/a	n/a
	devenv.exe	1.68	3,89,988 K	4,38,844 K	1532 Microsoft Visual Studio 2019	Enabled (permanent)	ASLR
⊞ 👜	Discord.exe	< 0.01	42,224 K	66,568 K	2500 Discord	Enabled (permanent)	ASLR
9	EarTrumpet.exe		50,024 K	58,500 K	12868 EarTrumpet	Enabled (permanent)	ASLR
1	Executable Test exe		656 K	4,232 K	9344	Enabled (permanent)	ASLR
	explorer.exe	0.18	1,51,928 K	1,85,788 K	1648 Windows Explorer	Enabled (permanent)	ASLR
	GoogleCrashHandler.exe		1,604 K	1,120 K	9488	n/a	n/a
	GoogleCrashHandler64.exe		1,664 K	700 K	9496	n/a	n/a
	IGCCTray.exe		52,212 K	64,980 K	6084 IGCCTray	Enabled (permanent)	ASLR
	Interrupts	0.54	0 K	0 K	n/a Hardware Interrupts and DPCs	n/a	n/a
⊞	lghub.exe		26,808 K	36,672 K	10732 LGHUB	Enabled (permanent)	ASLR
	Memory Compression		1,720 K	7.62,044 K	3068	n/a	n/a
$\overline{}$	Microsoft.ServiceHub.Controller	< 0.01	40,904 K	56,608 K	4128 Microsoft.ServiceHub.Control	Enabled (permanent)	ASLR
	MSBuild.exe		29,268 K	45,008 K	12700 MSBuild.exe	Enabled (permanent)	ASLR
	mspdbsrv.exe		15,140 K	16,876 K	3968 Microsoft® Program Database	Enabled (permanent)	ASLR
	msvsmon.exe	0.04	21,868 K	28,308 K	16428 Visual Studio 2019 Remote D	Enabled (permanent)	ASLR

3. Disable software DEP, ASLR and SEH in the visual studio and rebuild the same executable

Project > properties > configuration properties > linker





4. By Default, in project properties, DEP and ASLR properties are enabled and even upon disabling them, DEP is still in affect