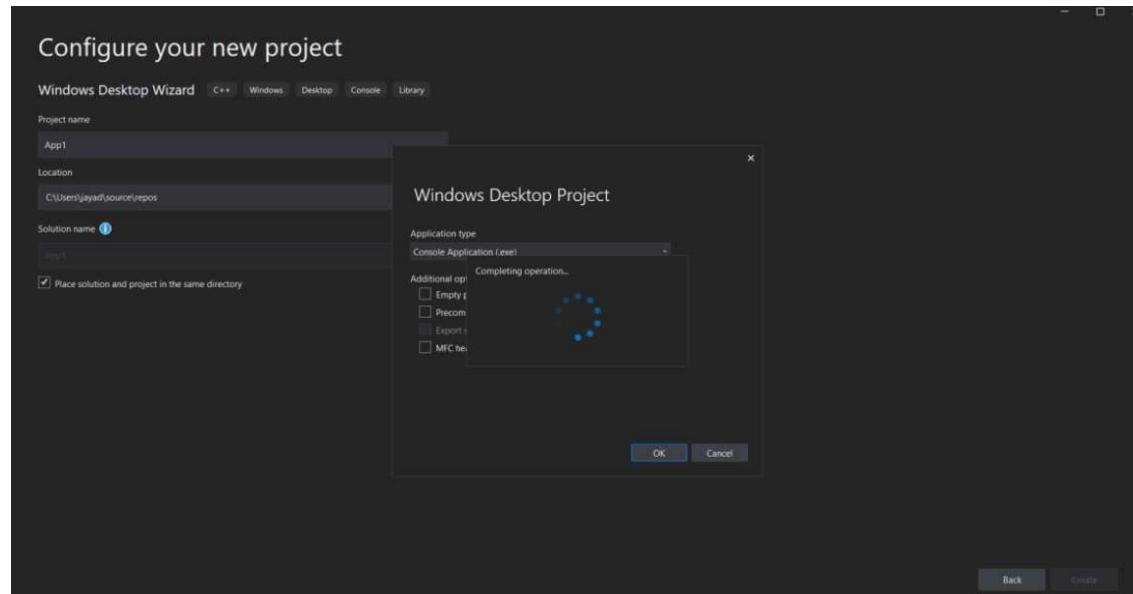


NAME:k.jayanth

REG.NO:19bci7021

After installing visual studio:



Generating .exe:

SecureCodingApp.cpp

```

// SecureCodingApp.cpp : Defines the entry point for the application.

#include "framework.h"
#include "SecureCodingApp.h"

#define MAX_LOADSTRING 100

// Global Variables:
HINSTANCE hInst; // current instance
MCHAR szTitle[MAX_LOADSTRING]; // the title bar text
MCHAR szWindowClass[MAX_LOADSTRING]; // the main window class name

// Forward declarations of functions included in this code module:
ATOM MyRegisterClass(HINSTANCE hInstance);
BOOL InitInstance(HINSTANCE, int);
LRESULT CALLBACK WndProc(HWND, UINT, WPARAM, LPARAM);
INT_PTR CALLBACK About(HWND, UINT, WPARAM, LPARAM);

int APIENTRY wWinMain(_In_ HINSTANCE hInstance,
                      _In_opt_ HINSTANCE hPrevInstance,
                      _In_ LPWSTR lpCmdLine,
                      _In_ int nCmdShow)
{
    UNREFERENCED_PARAMETER(hPrevInstance);
    UNREFERENCED_PARAMETER(lpCmdLine);

    // TODO: Place code here.
}

// ...

UNREFERENCED_PARAMETER(hPrevInstance);

```

Output

```

Build output from: Build
Build started...
1>----- Build started: Project: SecureCodingApp, Configuration: Debug Win32 -----
1>SecureCodingApp.cpp
1>SecureCodingApp.vcxproj -> C:\Users\jayad\source\repos\SecureCodingApp\Debug\SecureCodingApp.exe
----- Build: 1 succeeded, 0 failed, 0 up-to-date, 0 skipped -----

```

Package Manager Console

Build succeeded

Disabling DER and ASLR:

SecureCodingApp Property Pages

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

Look for options or switches:

Additional Options

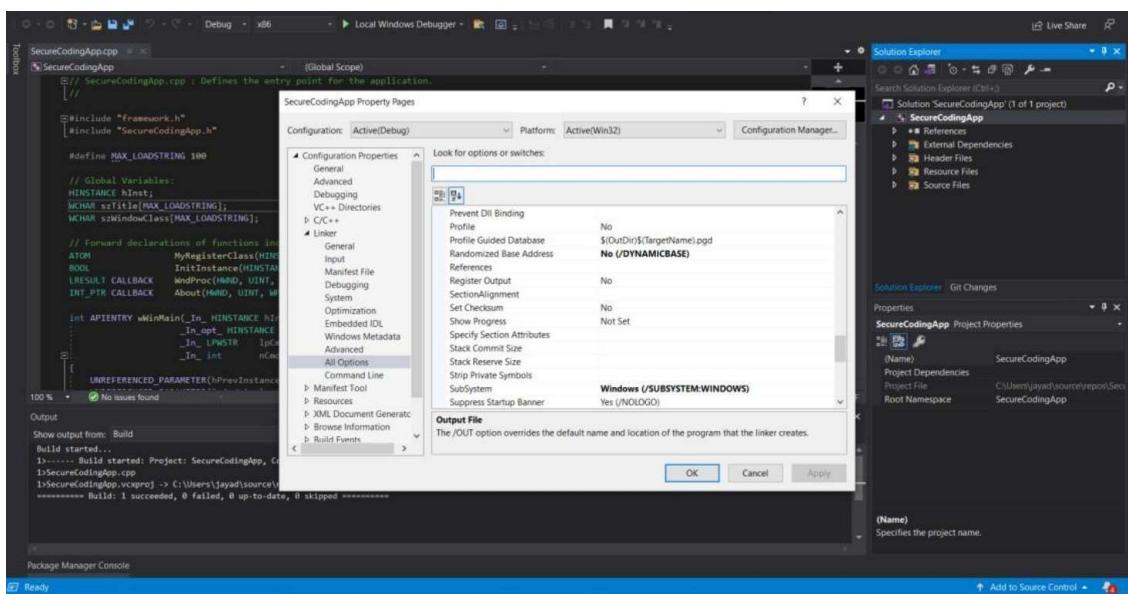
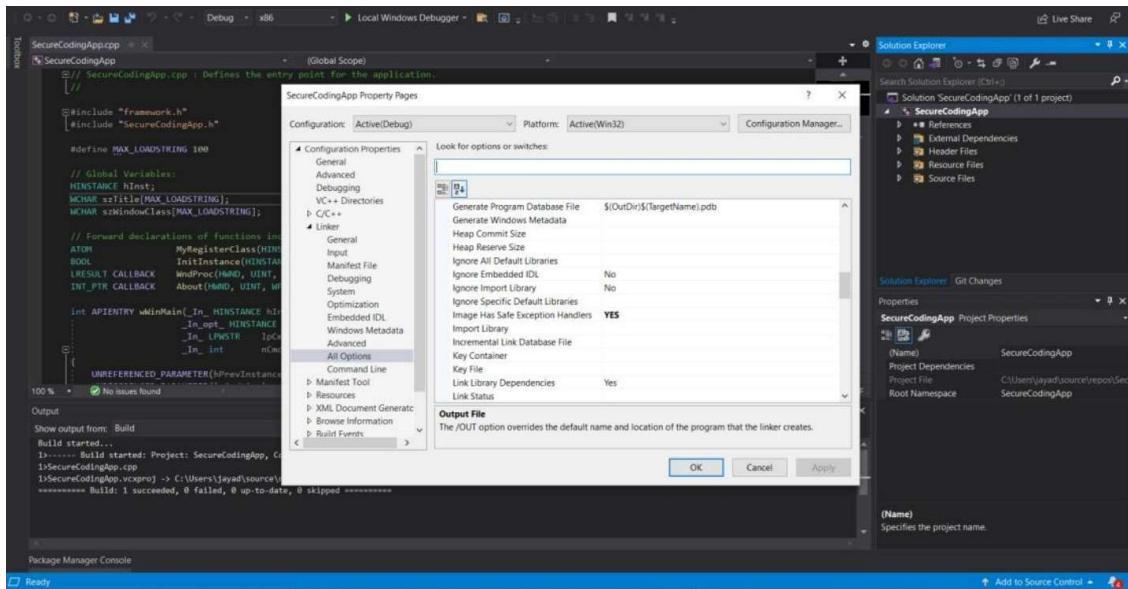
- Allow Isolation Yes
- Assembly Link Resource
- Base Address
- CET Shadow Stack Compatible
- CLR Image Type Default image type
- CLR Thread Attribute
- CLR Unmanaged Code Check
- Create Hot Patchable Image
- Data Execution Prevention (DEP)
- Debuggable Assembly
- Delay Loaded Dlls
- Delay Sign
- Driver
- Embed Managed Resource File Not Set

No (/NXCOMPAT)

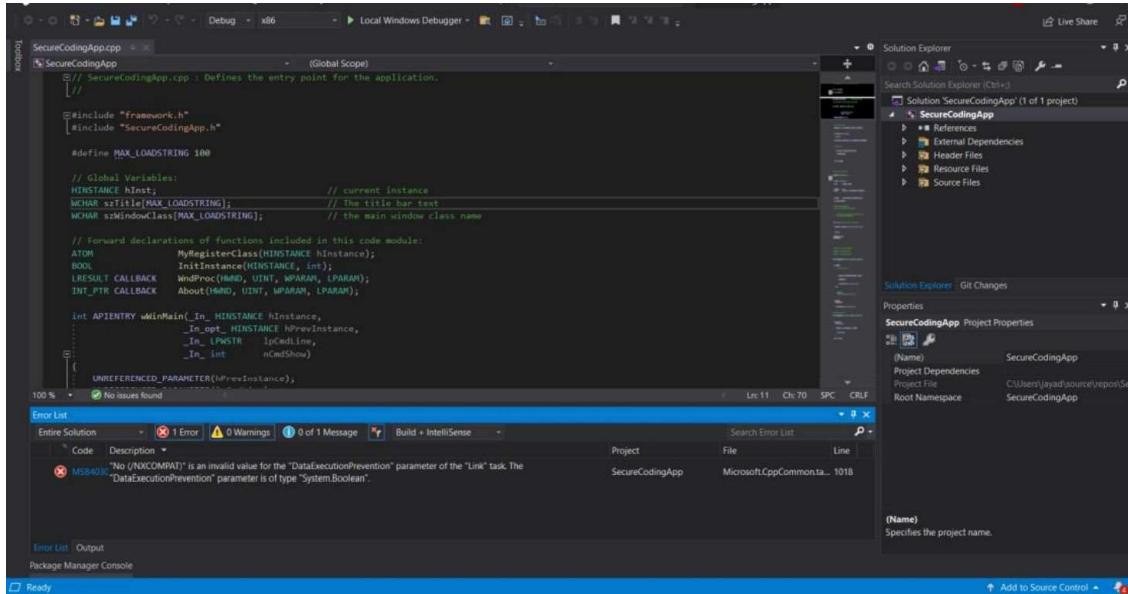
Output File

The /OUT option overrides the default name and location of the program that the linker creates.

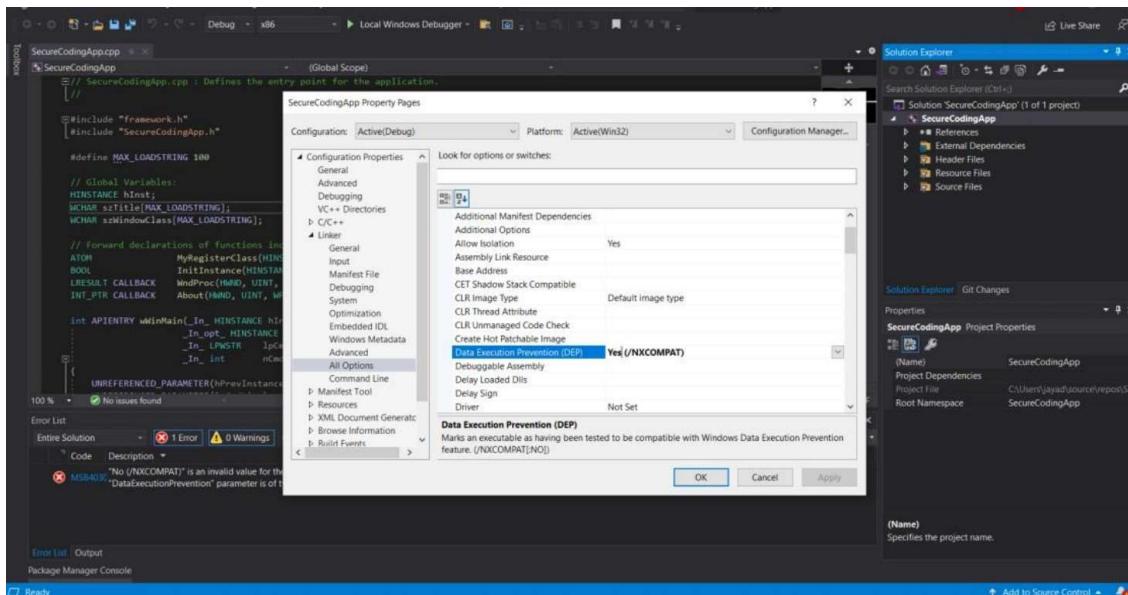
OK Cancel Apply

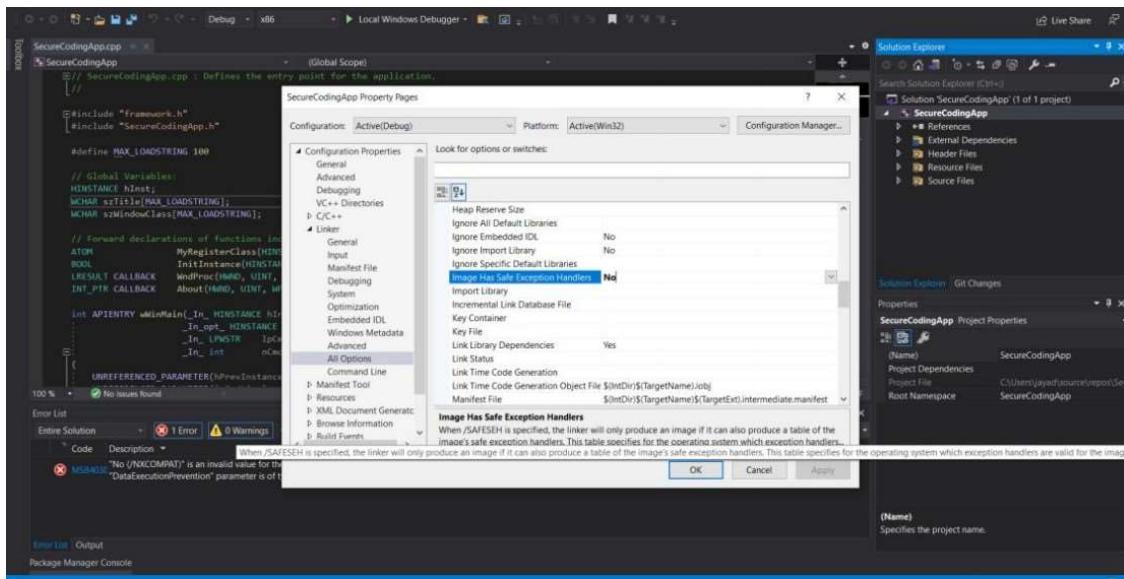
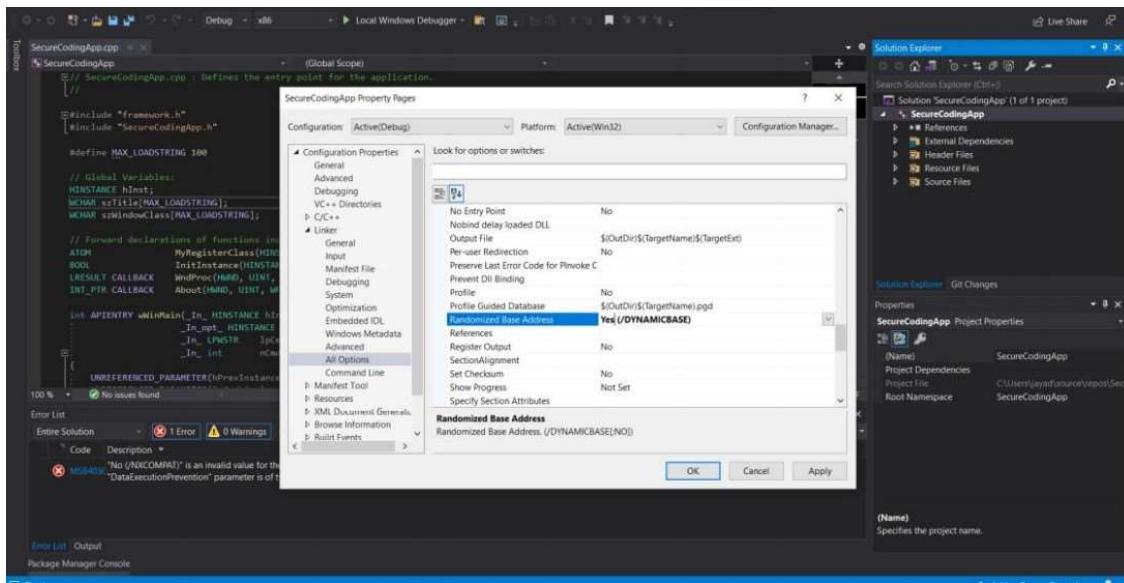


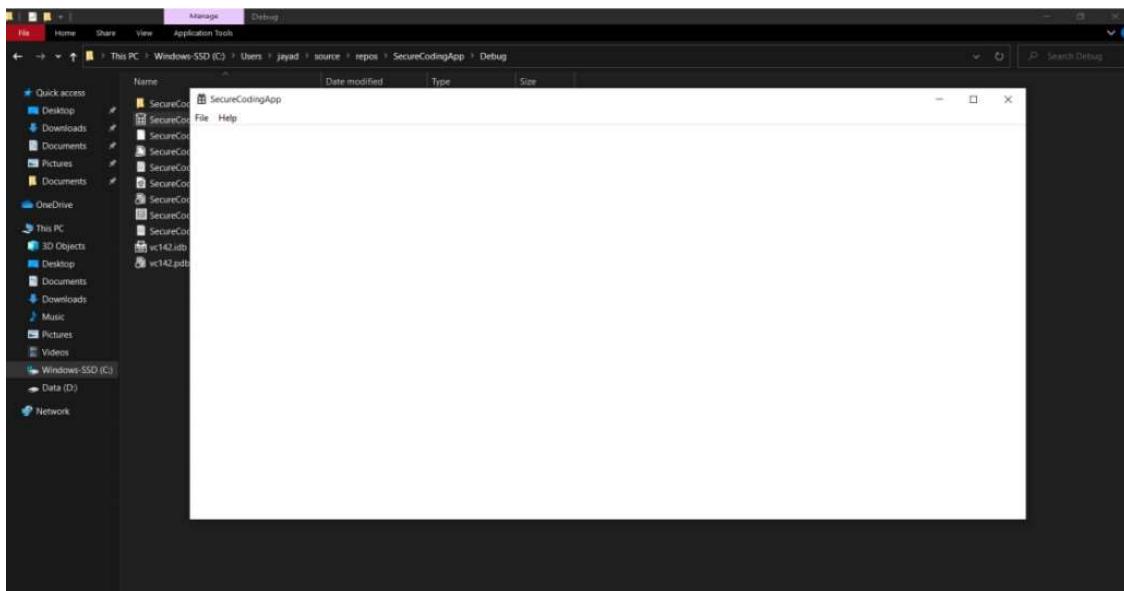
.exe file not created



After enabling and running the app:







Downloading, installing and analysing through Process Explorer:

Process	CPU	Private Bytes	Working Set	PID	Description	Company Name
Registry		17,376 K	122,088 K	146		
System Idle Process	84.09	60 K	8 K	0		
System	1.45	208 K	7,324 K	4		
Interrupts	1.04	0 K	0 K	n/a	Hardware Interrupts and DPCs	
smss.exe		1,076 K	1,020 K	572		
Memory Compression	< 0.01	1,016 K	1,61,960 K	2840		
crss.exe	< 0.01	2,164 K	5,980 K	349		
wminit.exe		1,628 K	6,184 K	946		
services.exe	0.01	6,168 K	10,548 K	1016		
svchost.exe	< 0.01	13,612 K	32,824 K	1044	Host Process for Windows S... Microsoft Corporation	
WmiPrvSE.exe		3,892 K	10,480 K	5832		
unsecapp.exe	< 0.01	2,728 K	8,820 K	10992		
dhhost.exe		3,964 K	9,944 K	11312		
StartMainExperienceHo...		99,080 K	86,304 K	17144		
RuntimeBroker.exe		7,844 K	31,112 K	17316	Runtime Broker Microsoft Corporation	
SearchApp.exe	Susp...	2,99,368 K	1,06,640 K	14132	Search application Microsoft Corporation	
RuntimeBroker.exe	< 0.01	19,548 K	51,564 K	13972	Runtime Broker Microsoft Corporation	
YourPhone.exe	Susp...	81,508 K	2,680 K	16744	YourPhone Microsoft Corporation	
SettingSyncHost.exe		4,004 K	6,236 K	17052	Host Process for Setting Sync Microsoft Corporation	
RuntimeBroker.exe		7,876 K	27,524 K	11280	Runtime Broker Microsoft Corporation	
RuntimeBroker.exe		4,712 K	20,452 K	2916	Runtime Broker Microsoft Corporation	
SearchApp.exe	Susp...	2,49,428 K	88,580 K	5426	Search application Microsoft Corporation	
dhhost.exe		7,040 K	15,836 K	18656	COM Surrogate Microsoft Corporation	
unsecapp.exe		1,628 K	7,420 K	13220	Sink to receive asynchronous Microsoft Corporation	
Cortana.exe	Susp...	89,280 K	72,168 K	12768	Cortana Microsoft Corporation	
RuntimeBroker.exe		5,284 K	26,796 K	8260	Runtime Broker Microsoft Corporation	
ShellExperienceHost.exe	Susp...	82,728 K	70,184 K	564	Windows Shell Experience H... Microsoft Corporation	
RuntimeBroker.exe		7,712 K	29,080 K	9112	Runtime Broker Microsoft Corporation	
SystemSettingsBroker.e...		5,680 K	23,100 K	19280	System Settings Broker Microsoft Corporation	
TestInputHost.exe		65,708 K	47,384 K	18580		
ApplicationFrameHost.e...		37,932 K	42,016 K	17844	Application Frame Host Microsoft Corporation	
WinStore App.exe	Susp...	1,05,276 K	2,720 K	2450	Store Microsoft Corporation	
RuntimeBroker.exe		7,148 K	16,356 K	9180	Runtime Broker Microsoft Corporation	
UserOobeBroker.exe		2,136 K	6,832 K	9968	User OOBEBroker Microsoft Corporation	
HiOutlook.exe	Susp...	99,628 K	2,784 K	2812	Microsoft Outlook Microsoft Corporation	
RuntimeBroker.exe		3,148 K	18,680 K	9440	Runtime Broker Microsoft Corporation	
HITs.exe	Susp...	12,288 K	2,312 K	8128	Microsoft Outlook Communicat... Microsoft Corporation	
LockApp.exe	Susp...	67,112 K	44,336 K	11244	LockApp.exe Microsoft Corporation	
RuntimeBroker.exe		10,324 K	33,300 K	4440	Runtime Broker Microsoft Corporation	
CompPkgSrv.exe		1,516 K	9,344 K	10500	Component Package Suppor... Microsoft Corporation	
SystemSettings.exe		77,312 K	67,212 K	704	Settings Microsoft Corporation	
smartscreen.exe		8,244 K	24,492 K	15492	Windows Defender SmartScr... Microsoft Corporation	
TWorker.exe		31,992 K	37,780 K	1920		
WUDFHost.exe		8,072 K	14,108 K	1116		
svchost.exe	< 0.01	10,252 K	18,000 K	1168	Host Process for Windows S... Microsoft Corporation	

