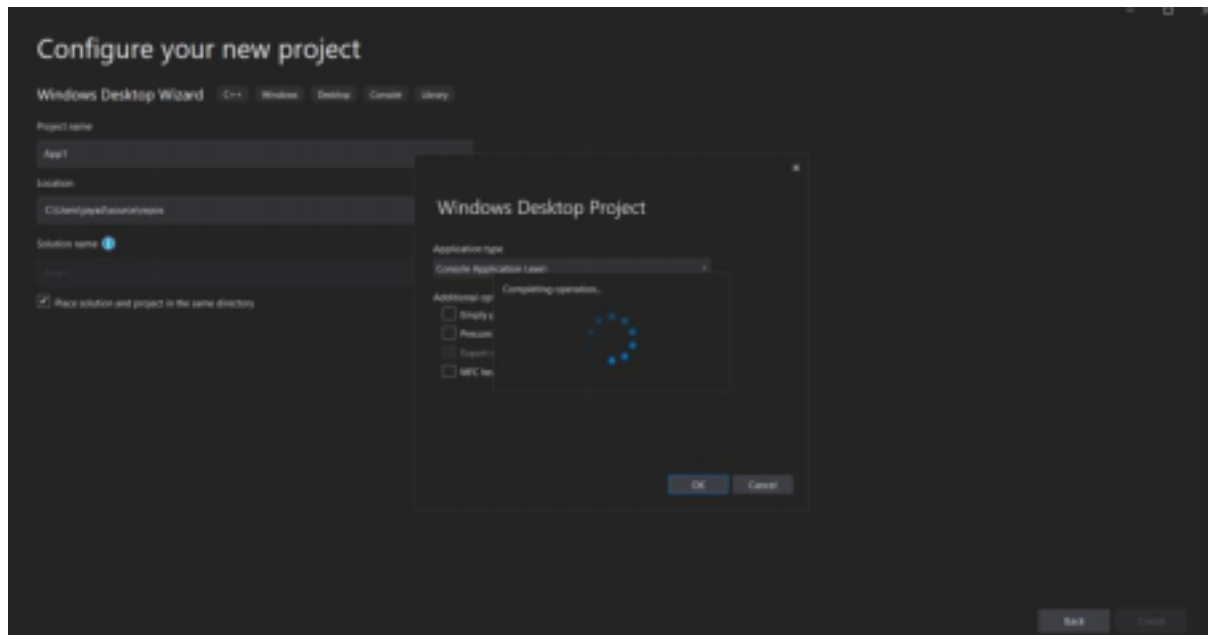


SECURE CODING LAB-11

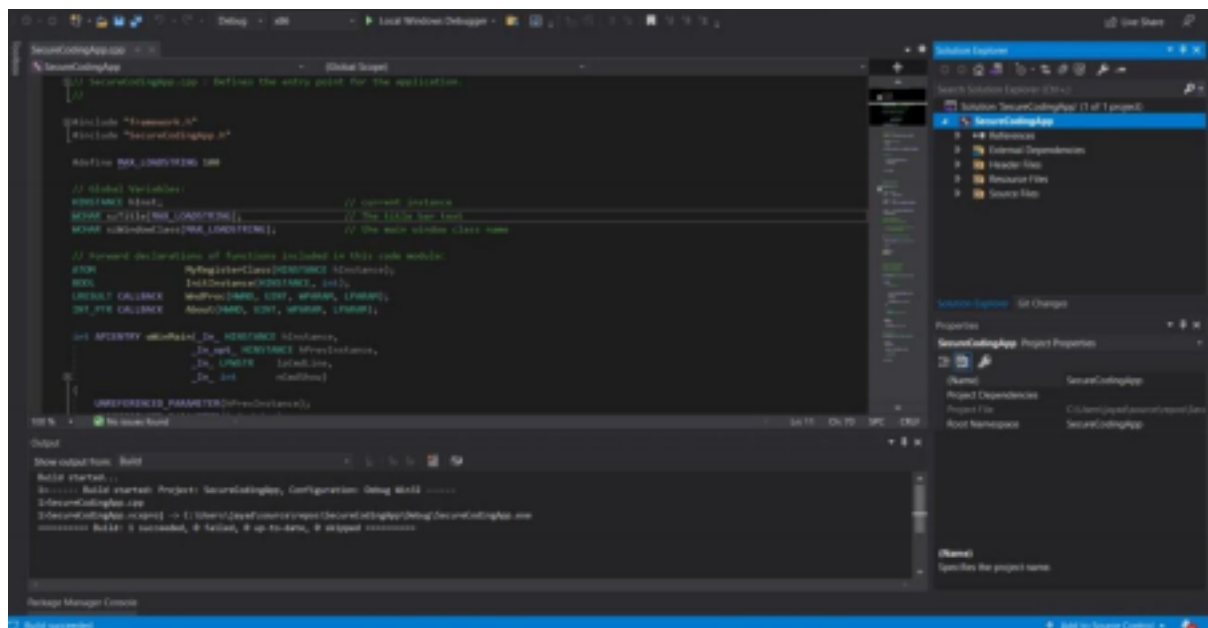
AKASH P

18BCN7078

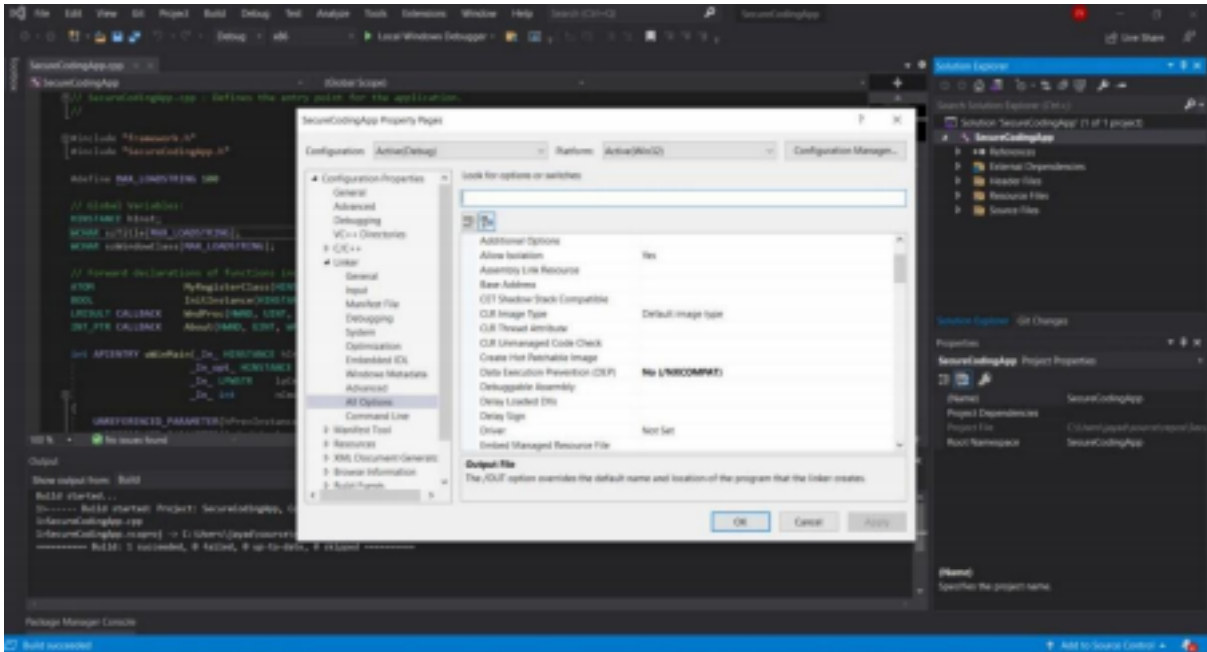
After installing visual studio:



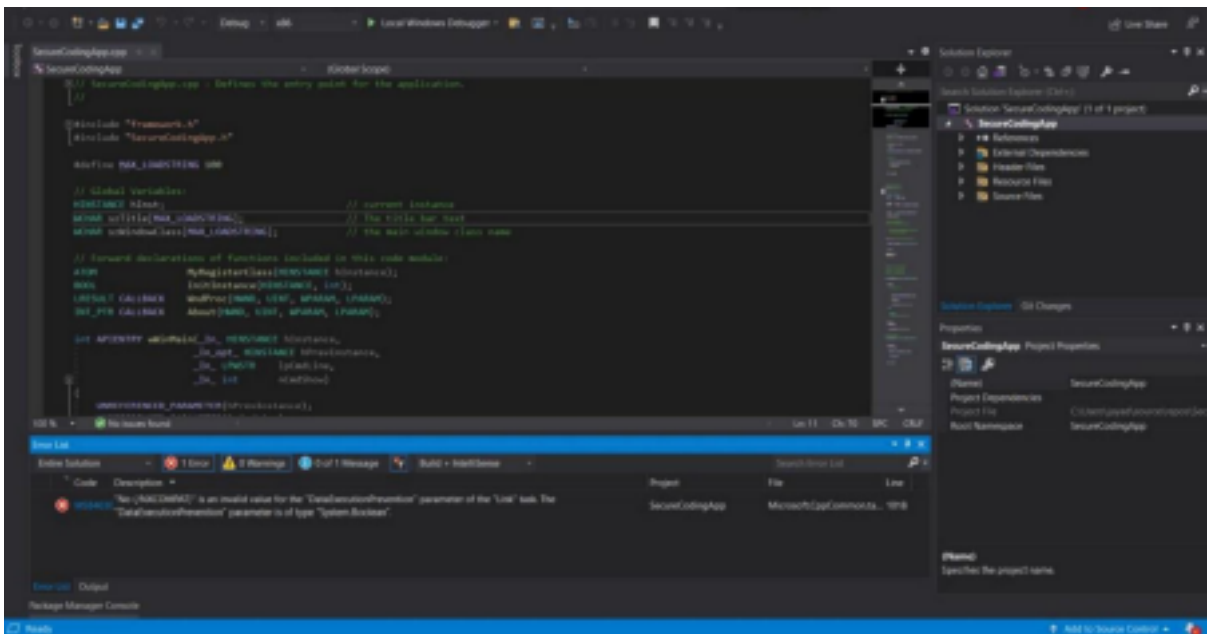
Generating .exe:



Disabling DER and ASLR:



.exe file not created



After enabling and running the app:

| File Options View Process Find Users Help | | | | | | |
|---|---------|---------------|-------------|-------|-----------------------------------|-----------------------|
| Process | CPU | Private Bytes | Working Set | PID | Description | Company Name |
| Registry | | 17,376 K | 1,22,088 K | 148 | | |
| System Idle Process | 94.09 | 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 | 1,028 K | 572 | | |
| Memory Compression | < 0.01 | 1,016 K | 1,81,960 K | 2840 | | |
| csrss.exe | < 0.01 | 2,364 K | 5,980 K | 848 | | |
| wininit.exe | | 1,628 K | 6,184 K | 940 | | |
| 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 |
| WinPrvSE.exe | | 3,892 K | 10,480 K | 5832 | | |
| smssapp.exe | < 0.01 | 2,728 K | 8,828 K | 10992 | | |
| dhost.exe | | 3,964 K | 9,944 K | 11312 | | |
| ShellExperienceHost.exe | | 99,080 K | 86,304 K | 17148 | | |
| RuntimeBroker.exe | | 7,844 K | 31,112 K | 17216 | Runtime Broker | Microsoft Corporation |
| SearchApp.exe | Susp... | 2,99,368 K | 1,06,648 K | 14132 | Search application | Microsoft Corporation |
| RuntimeBroker.exe | < 0.01 | 19,548 K | 51,564 K | 13672 | Runtime Broker | Microsoft Corporation |
| YoursPhone.exe | Susp... | 81,508 K | 2,688 K | 16744 | YoursPhone | Microsoft Corporation |
| SettingSyncHost.exe | | 4,304 K | 6,236 K | 17652 | Host Process for Setting Syn... | Microsoft Corporation |
| RuntimeBroker.exe | | 7,876 K | 27,524 K | 11288 | Runtime Broker | Microsoft Corporation |
| RuntimeBroker.exe | | 4,712 K | 29,452 K | 2916 | Runtime Broker | Microsoft Corporation |
| SearchApp.exe | Susp... | 2,48,428 K | 88,588 K | 5408 | Search application | Microsoft Corporation |
| dhost.exe | | 7,040 K | 15,836 K | 10656 | COM Surrogate | Microsoft Corporation |
| smssapp.exe | | 1,628 K | 7,428 K | 13228 | Sink to receive asynchronous... | Microsoft Corporation |
| Content.exe | Susp... | 89,280 K | 72,168 K | 12768 | Content | Microsoft Corporation |
| RuntimeBroker.exe | | 6,204 K | 26,796 K | 8280 | Runtime Broker | Microsoft Corporation |
| ShellExperienceHost.exe | Susp... | 82,728 K | 70,184 K | 304 | Windows Shell Experience H... | Microsoft Corporation |
| RuntimeBroker.exe | | 7,712 K | 29,080 K | 9112 | Runtime Broker | Microsoft Corporation |
| SystemSettingsBroker.exe | | 5,680 K | 23,100 K | 19088 | System Settings Broker | Microsoft Corporation |
| TextInputHost.exe | | 66,708 K | 47,384 K | 18020 | | |
| ApplicationFrameHost.exe | | 37,932 K | 42,016 K | 17844 | Application Frame Host | Microsoft Corporation |
| WinStoreApp.exe | Susp... | 1,06,276 K | 2,728 K | 2456 | Store | Microsoft Corporation |
| RuntimeBroker.exe | | 7,348 K | 16,368 K | 9180 | Runtime Broker | Microsoft Corporation |
| UserOOBEBroker.exe | | 2,136 K | 8,832 K | 3980 | User OOBE Broker | Microsoft Corporation |
| Outlook.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 |
| HT.exe | Susp... | 12,288 K | 2,312 K | 8120 | Microsoft Outlook Commun... | 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 | 10508 | Component Package Suppor... | Microsoft Corporation |
| SystemSettings.exe | Susp... | 77,312 K | 67,212 K | 764 | Settings | Microsoft Corporation |
| smartscreen.exe | | 8,244 K | 24,480 K | 15480 | Windows Defender SmartScr... | Microsoft Corporation |
| TrWorker.exe | | 31,992 K | 37,768 K | 1820 | | |
| WUDFHost.exe | | 8,072 K | 14,108 K | 1116 | | |
| svchost.exe | < 0.01 | 10,252 K | 18,080 K | 1168 | Host Process for Windows S... | Microsoft Corporation |

smss
smss
smss
smss
smss

smss
Sign
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smss
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smss

BG Comment Kill Process

