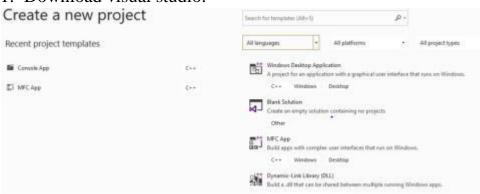
SECURE CODING CSE2010 LAB-11

CH.SAI SUMEDH REG NO:-18BCN7092 SLOT:-L39+L40

Creating a secure executable application

1. Download visual studio.



C++ code in an executable file

```
⊡// lab.cpp : This file contains the 'main'
 2
      11
3
      #include <iostream>
4
5
       using namespace std;
6
7
     ∃int main()
8
       {
9
           int number;
10
          cout << "Enter an integer: ";
11
           cin >> number;
12
13
           cout << "You entered " << number;
14
15
           return 0;
16
17
```

Enter an integer: 5 You entered 5

Build or debug

```
Output

Show output from: Debug

'lab.exe' (Win32): Loaded 'C:\Windows\SysWOW64\cryptbase.dll'.

'lab.exe' (Win32): Loaded 'C:\Windows\SysWOW64\bcryptprimitives.dll'.

'lab.exe' (Win32): Loaded 'C:\Windows\SysWOW64\sechost.dll'.

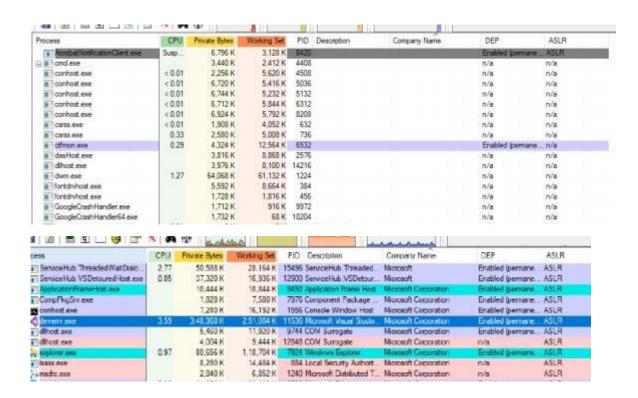
The thread 0x68 has exited with code 0 (0x0).

The thread 0x347c has exited with code 0 (0x0).

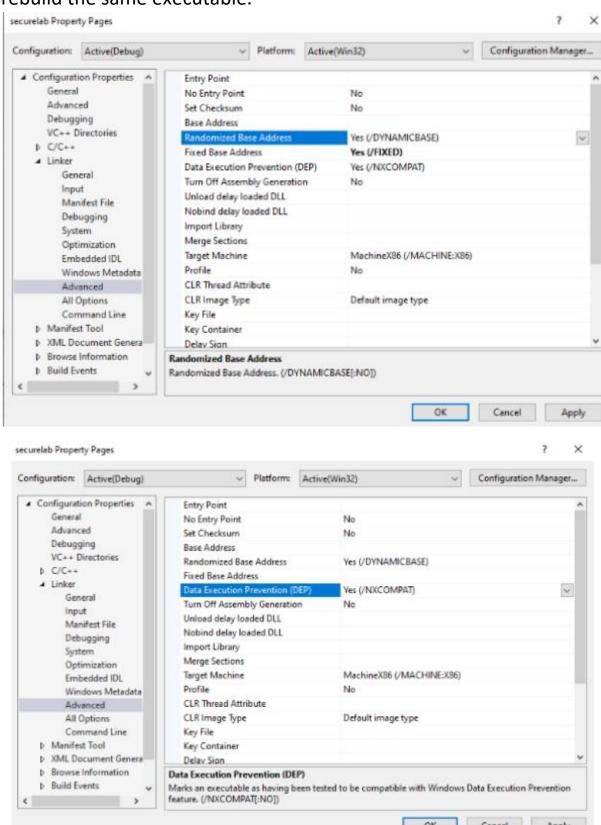
The thread 0x28cc has exited with code 0 (0x0).

The program '[6620] lab.exe' has exited with code 0 (0x0).
```

3. Download the process and explorer and verify the DEP and ASLR status.



Now, enable the software DEP, ASLR and SEH in the visual studio and rebuild the same executable.



Now verify the process explorer of DEP and ASLR.

