## **Secure Coding Lab - 11**

Name: Meghana V

Reg no: 18BCN7070

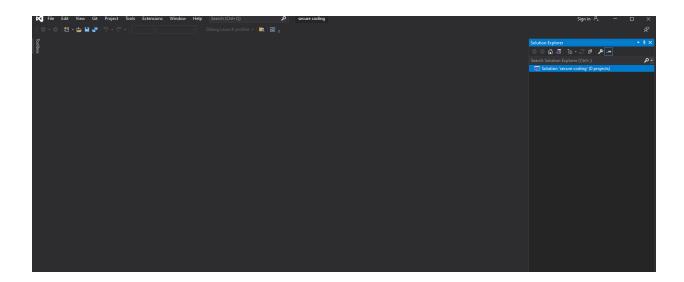
## Task:

Download and install visual studio (recent edition) Write a C++ code of your own to build an executable and run the same.

Download process explorer and verify the DEP & ASLR status Enable software DEP, ASLR and SEH in the visual studio and rebuild the same executable

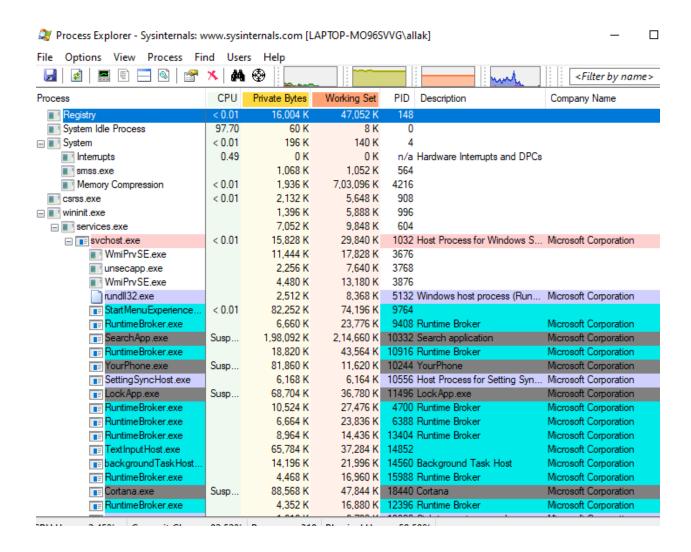
Again, verify the DEP & ASLR status in the process explorer Report the same with separate screenshot - before and after enabling DEP & ASLR.

1) Install and run visual studio



2) Write a simple C++ code in your VS

The execute will run perfectly now. View it on your process explorer



4) After you disable DEP and ASLR and SEH



	Manifest File	Ignore All Default Libraries	
	Debugging System	Ignore Embedded IDL	No
		Ignore Import Library	No
	Optimization	Ignore Specific Default Libraries	
	Embedded IDL	Image Has Safe Exception Handlers	YES
	Windows Metadata	Import Library	
	Advanced	Incremental Link Database File	
	All Options	Key Container	
	Command Line	Key File	

Rebuild and application and run it again.

As intended, the build will fail.

5) Now ,after re-enabling the DEP ans ASLR, if you build the file again, it works fine