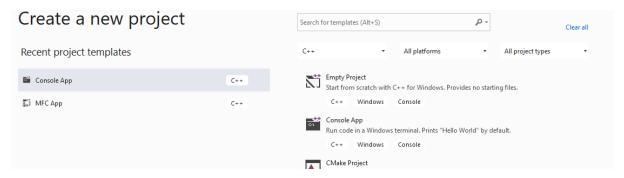
SECURE CODING LAB

LAB-11 SLOT-L39+L40 18BCN7128 SEGU NAIMISHA

Question: Creating secure and safe executable

Sol:

Download and installing visual studio



C++ code

```
File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search (Ctrl+Q)

| Column | Ctrl+Q | Ct
```

Run and executing the code:

```
Microsoft Visual Studio Debug Console

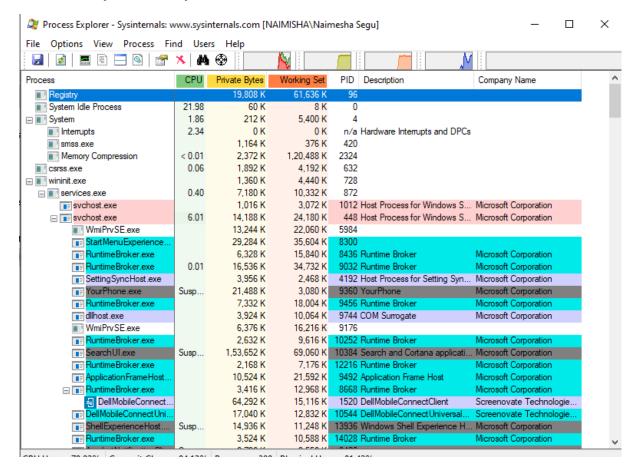
Code for Secure lab

C:\Users\Naimesha Segu\source\repos\securelab\Debug\securelab.exe (process 9272) exited with code 0.

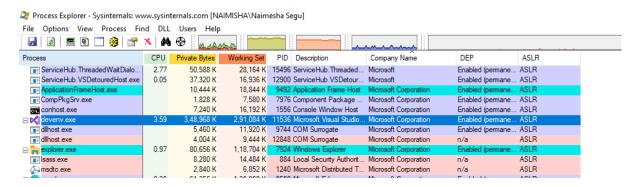
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.

Press any key to close this window . . .
```

Download process explorer



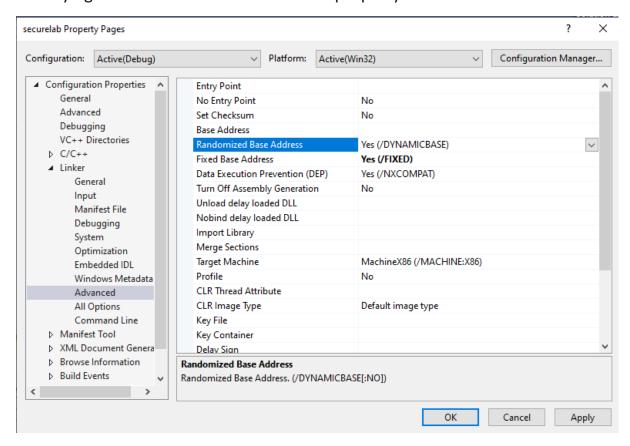
Process explorer and verify the DEP & ASLR status

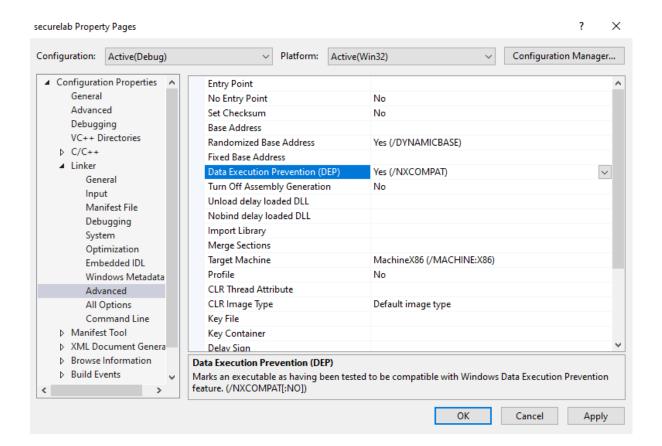


Enable software DEP, ASLR and SEH in the visual studio and rebuild the same executable

Configuration Properties > Linker > Advanced property page

Modifying the Randomized Base Address property.





Again, running the executable

And, verifying the DEP & ASLR status in the process explorer

