Setup Virtual Machine

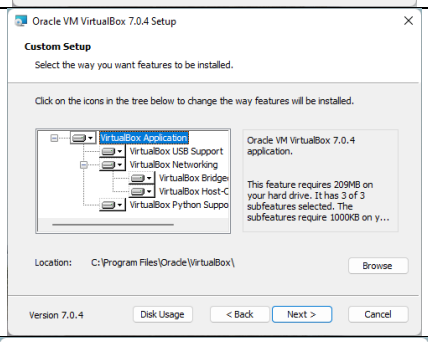
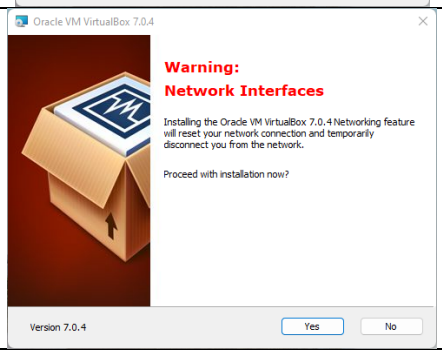
In this section will demonstrate on setup of a Virtual Box

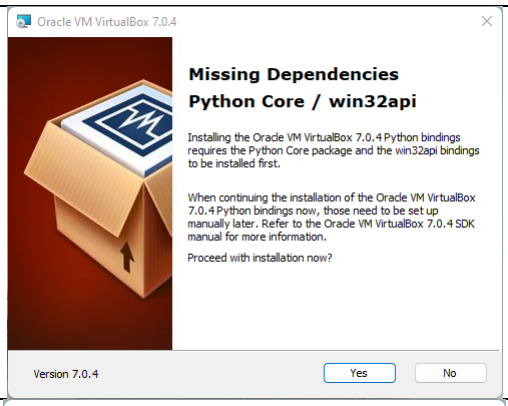
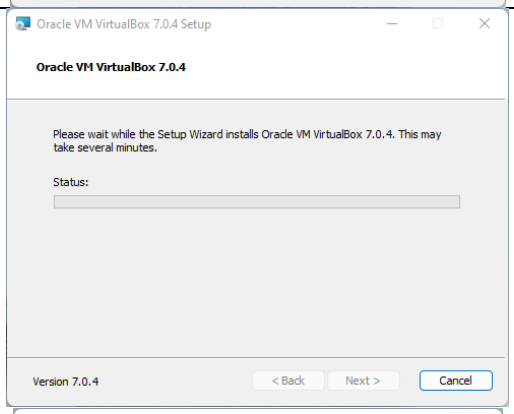
Step 1

Download the Oracle Virtual box here: https://www.virtualbox.org/wiki/Downloads

Step 2

Run the program and will open the installation window.

	Click Next
	Here you can select where we install the virtual box
	Click Yes

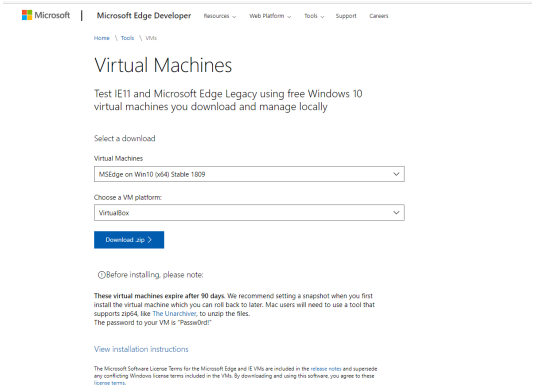
	Click Yes
 	Click Install and wait until will show the installation is complete.

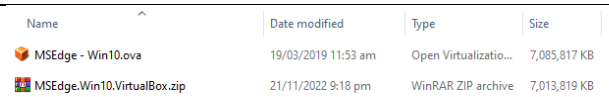
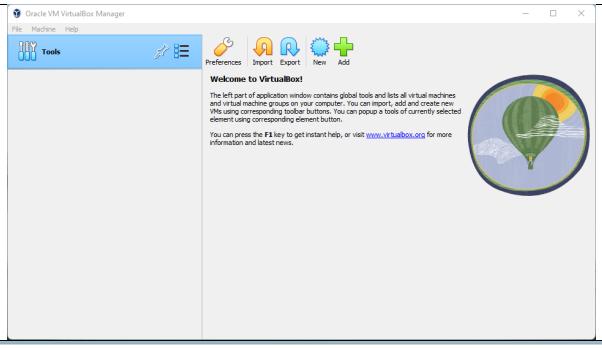
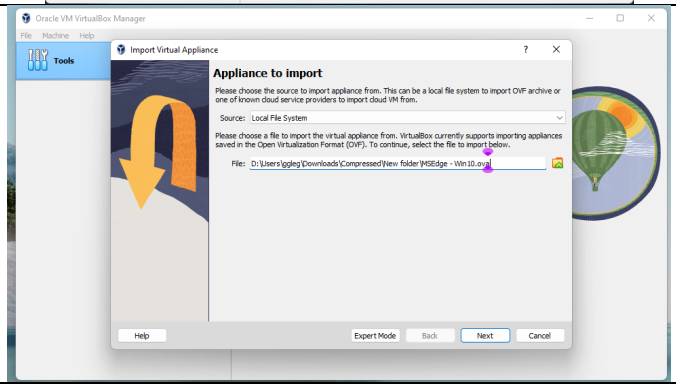
Setup Windows 10VM and Microsoft Virtual Studio Community

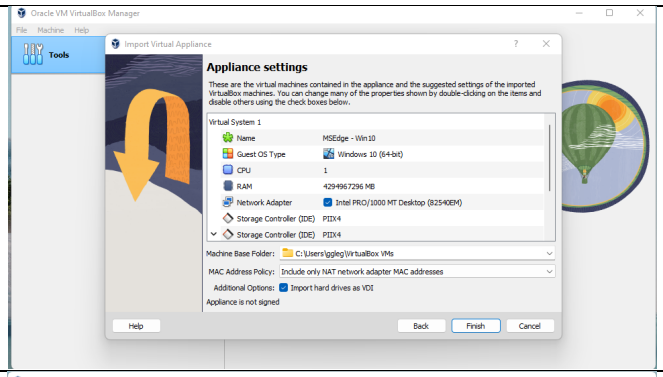
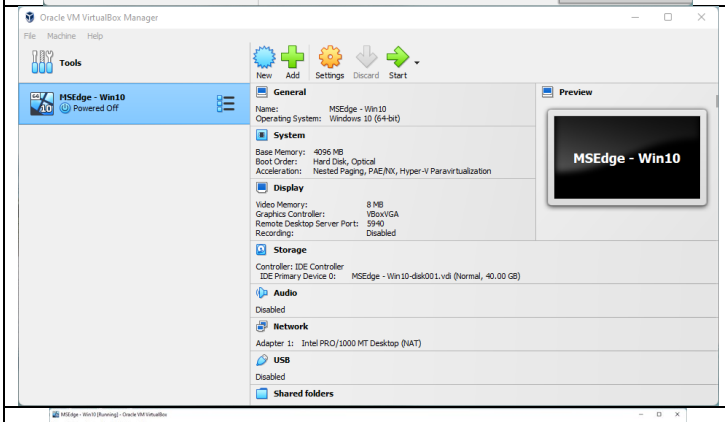
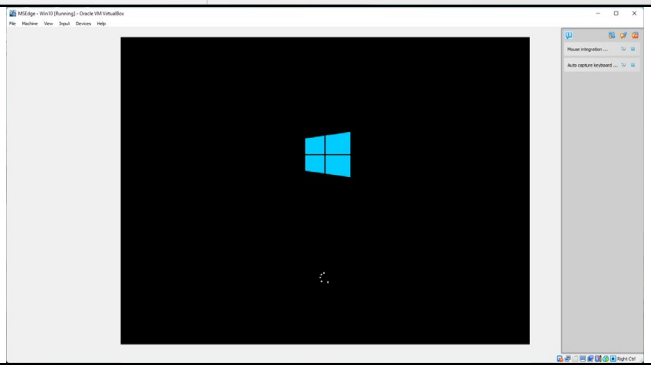
Step 1: Install VM

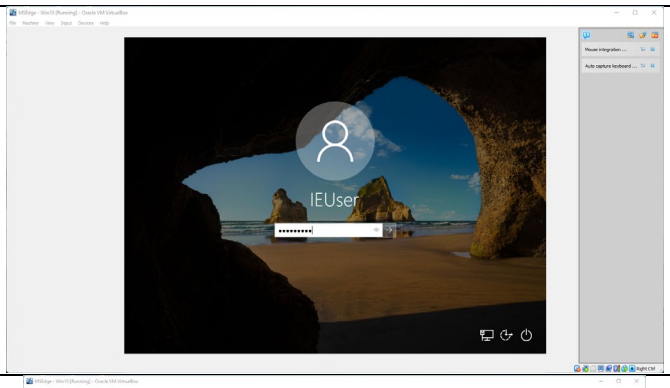
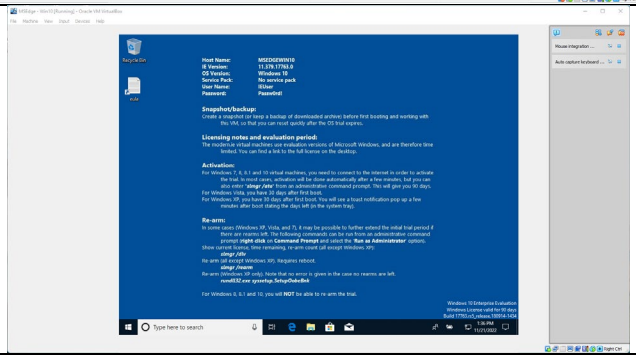
Download the Windows10 VM here: https://developer.microsoft.com/en-us/microsoft-edge/tools/vms/

Select the Virtual Machines to **Win 10** and the VM Platform **Virtual Box**. Please refer to the image below.

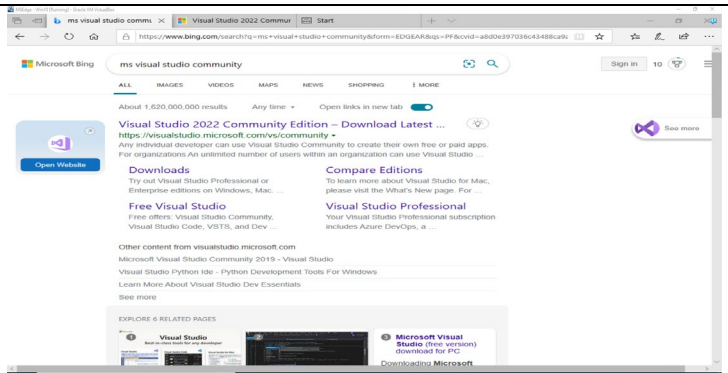
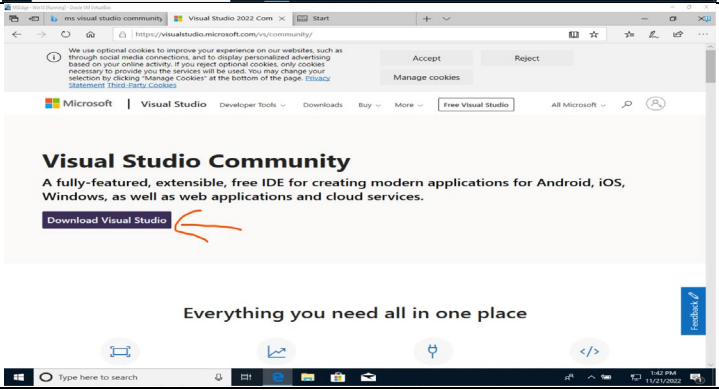


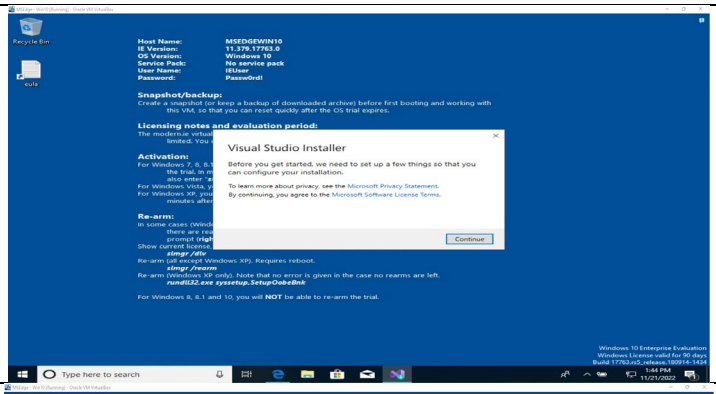
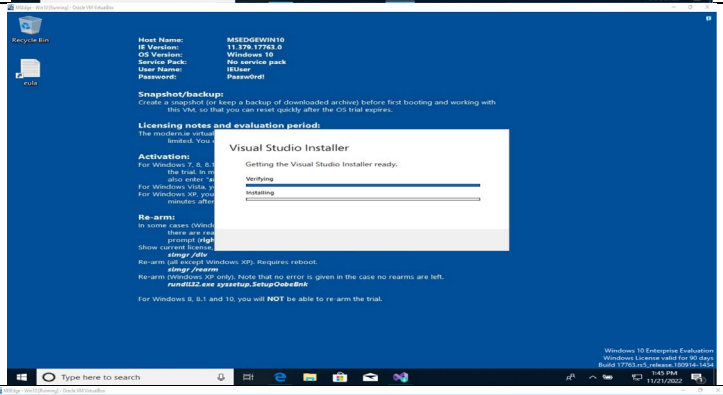
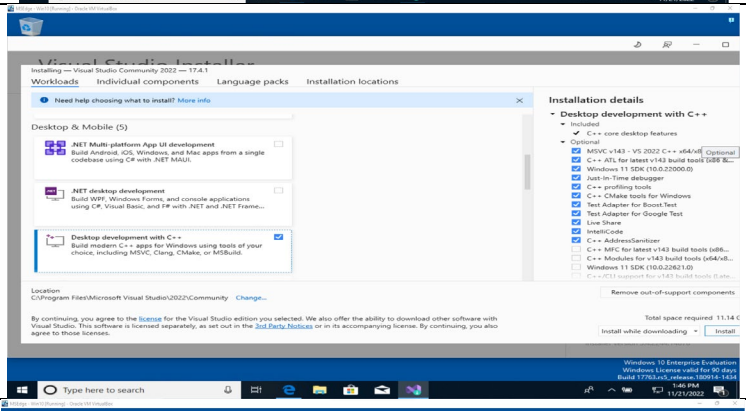
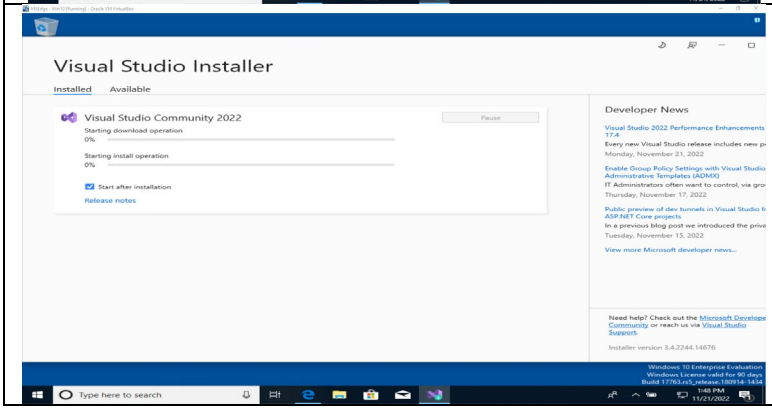
	After you finished download the Windows 10 VM extract the Zip file and we can see the. ova file
	Next is to Open the VirtualBox and click import
	Then, locate the Windows 10.ova file after that click next

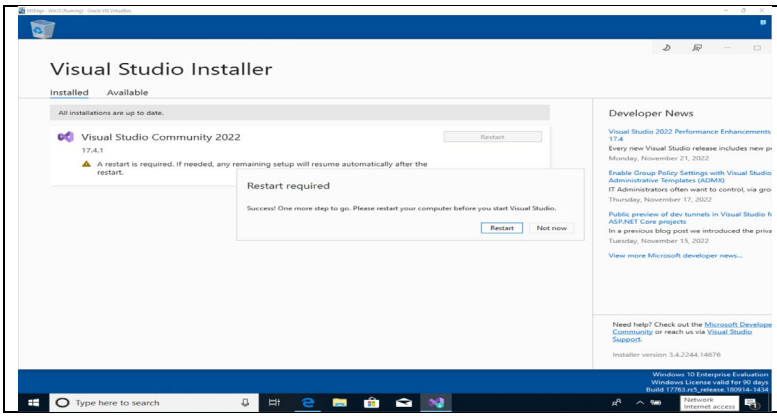
	Next is to setup our desire System Specifications for the VirtualBox as well as the file location where to save the virtual machine
	After you click finish wait the VirtualBox import the Windows10VM and the settings we setup
	Next is to click start to start the Windows 10 VM
	A new window pops up

	The default password for his is **Passw0rd!**
	Well done

Step 2: Install MS Visual Studio

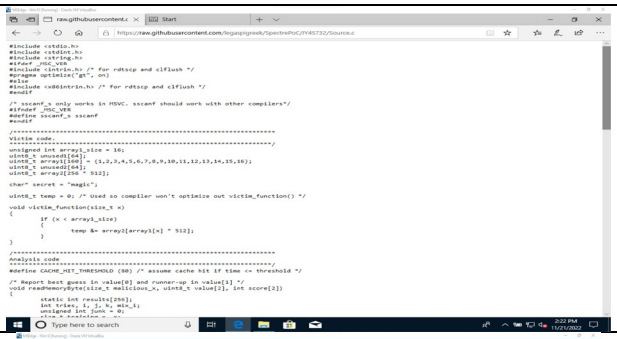
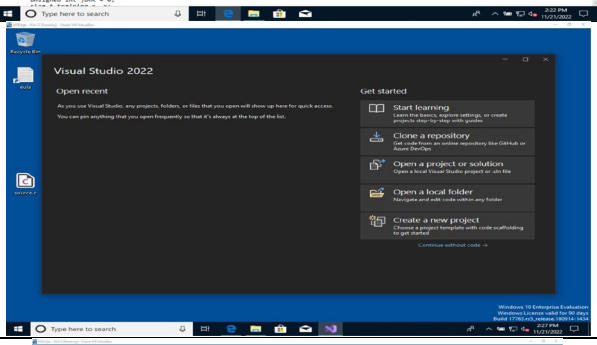
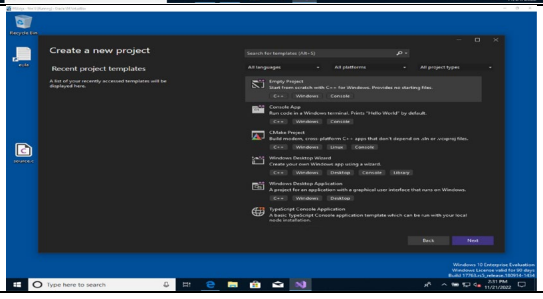
	Open Microsoft Edge Browser search for MS visual studio community and click the first line
	Click download Visual Studio and save

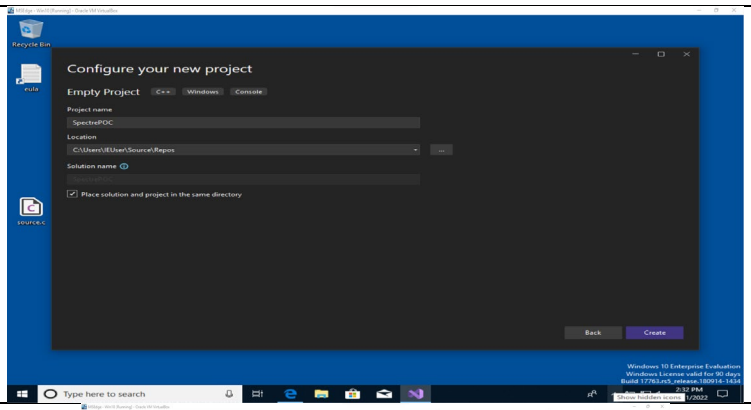
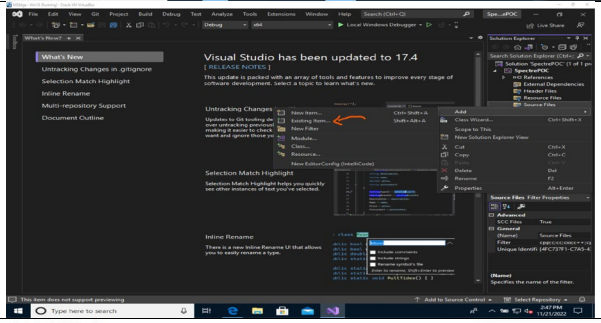
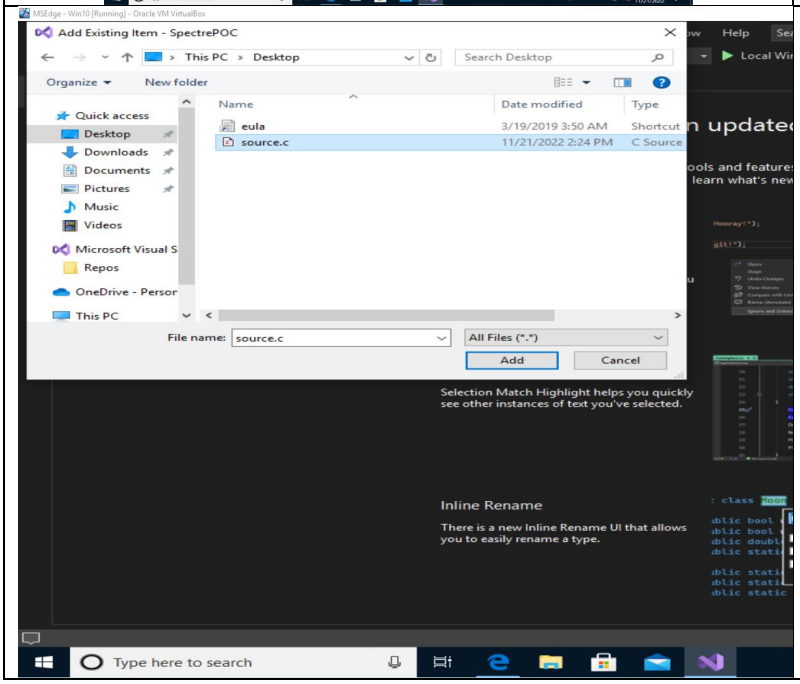
	After you download. Run the setup file and a new window pop up a Visual studio installer. Next is click continue.
	Wait for it
	Next select the workloads (Desktop development with C++). Why? because the Spectre Code is made of C language. After that click install on the right hand below.
	Wait for it to install the workload

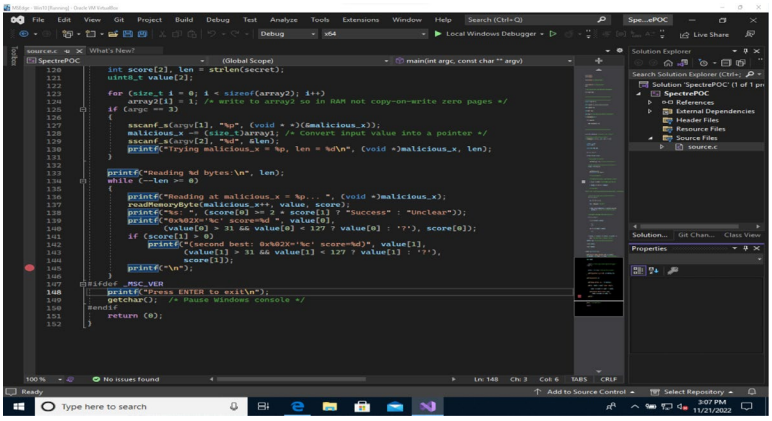
	After installing restart, the device.

Attached the SpectrePOC in MS Visual Studio

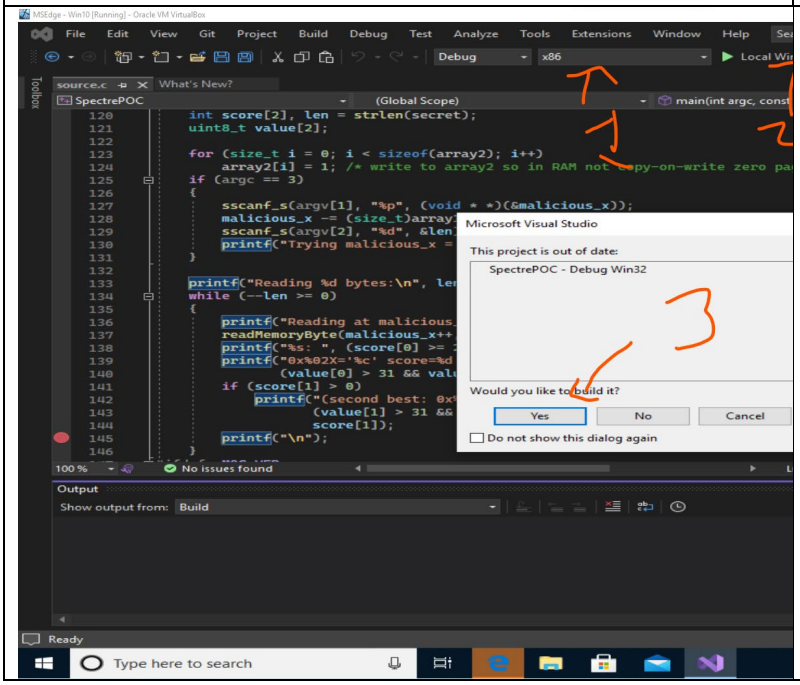
Steps

	Download the source.c file here https://github.com/legaspigreek/SpectrePoC/tree/IY4S732
	Open Visual Studio 2022 and click create new project
	Click Empty project

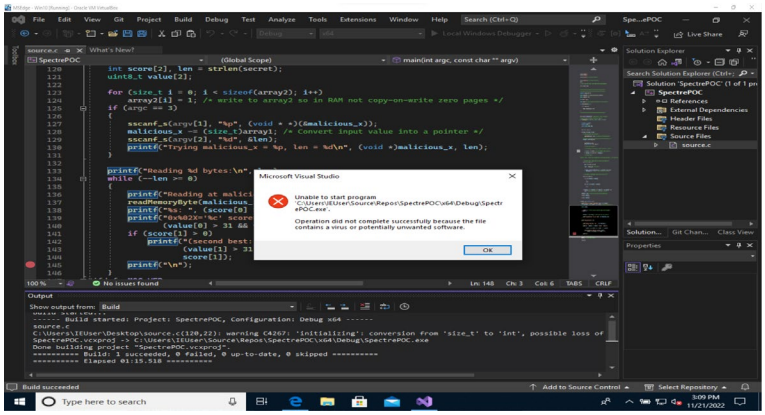
	Project name: SpectrePOC Check the Place Solution… Then click create
	To add the source.c file on the right-hand side there is a Source Files. Right click to that folder and click add then Existing Item.
	Find the source.c and click add.



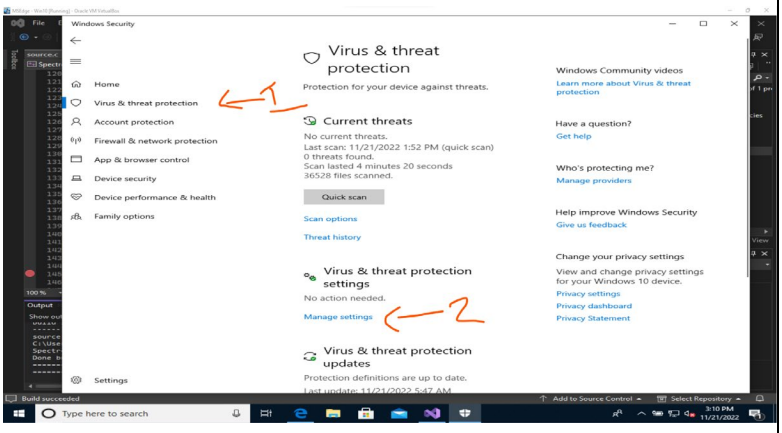
On the source file double click source.c file to open.
After that to open the debugger. we must select a breakpoint. We can start on line 145.



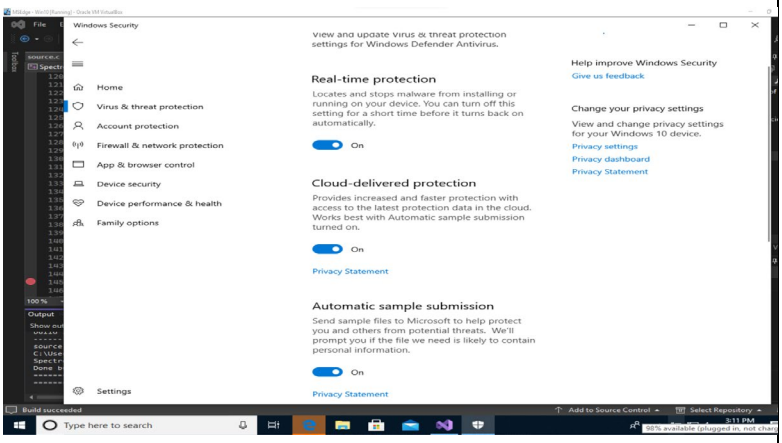
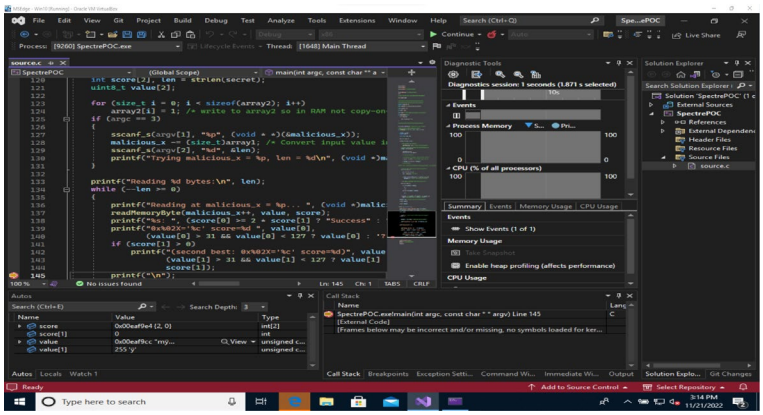
To run the debugger, select first x86 at the solutions platform and click local windows debugger click yes to build the project.



We forgot to disable the Antivirus. To Turn it off navigate to Windows Security



Then Virus & Threat protection. Select Manage Settings

	Disable these three protections
	Rerun again the debugger