For those who didn't installed MPI yet. Some method's provided below, try one after another until succeed. Good Luck guys!

MPI installation process for Windows :

1. Niaz's method : [https://youtu.be/0NdRTs\_0YpE](https://youtu.be/0NdRTs_0YpE?fbclid=IwAR3lOKO00c-FM9N6lfPHb63id_2Geizou4ajUFDzpGVM8-44z1ItJW02XPQ) (it didn't work for me .NET framework related problem may be)

2. Install on Visual Studio (If you are using it already) (Search on you tube)

3. Install WSL :

\* WSL is Linux command-line interface in windows .

\* download it from : [https://docs.microsoft.com/en-us/windows/wsl/install-manual](https://l.facebook.com/l.php?u=https%3A%2F%2Fdocs.microsoft.com%2Fen-us%2Fwindows%2Fwsl%2Finstall-manual%3Ffbclid%3DIwAR17U0EdmWBFR3s9ALky_IZv01WWxhywZo0XY6rxtpzEaJdH8NTbFWamASY&h=AT02M8ylO__V0ll2LN8DgHcoCi87bc1nWw1LrvSQwc5hAnEV2OR4V050zMbeZL-229g88mA61O6M17_niAebPNc15j-rbXawkBPVW4hcWZPaACXuCccVcCJKwk8lCyut93bC&__tn__=-UK-R&c%5b0%5d=AT2BfPsb8bJ5eT4jkCW_thO-b5SscqDpCkcJWj_h-vqLziuXfvb9qlsW67fkqHySpCtNYqoFdgcij480ftNr-tatfvILR9dhwxqqcQhlrK-VLjzNvJhLO6A0YlC1eiF8a7m2FBNM-qf1vbDV_XR3rCxWqtATNGYKzTmsPFGkd0ox-MUpuXwlEHC1ogaxiqfov0RYxO7QNE5D7SQRAN7zscBdcfd2NuZZfA) Then find installation command for power-shell from the bottom of the page.

\* Go to the bottom of the post to know how to install mpi on this(Ubuntu) system.

\* follow this link : "[https://medium.com/.../setting-up-visual-studio-code-and...](https://l.facebook.com/l.php?u=https%3A%2F%2Fmedium.com%2F%40amithkk%2Fsetting-up-visual-studio-code-and-wsl-for-mpi-develoment-8df55758a31c%3Ffbclid%3DIwAR2R44DC2spYodums6O_qiPEcn_a9f6x08dskK18lE7XDywrlZO23jM5jbQ&h=AT2mL-1-6ufBn661_Ed-Nq1N4YoEwyO8HOXo5fbq_2rb3EdPSyAvJ5-MMuLGnLR9--aZ7m7Viu4VwU0VHcK_zmN1ytIP4UANCe-POWDfN905p_tskVl-xUcrqJt24JeMjKww&__tn__=-UK-R&c%5b0%5d=AT2BfPsb8bJ5eT4jkCW_thO-b5SscqDpCkcJWj_h-vqLziuXfvb9qlsW67fkqHySpCtNYqoFdgcij480ftNr-tatfvILR9dhwxqqcQhlrK-VLjzNvJhLO6A0YlC1eiF8a7m2FBNM-qf1vbDV_XR3rCxWqtATNGYKzTmsPFGkd0ox-MUpuXwlEHC1ogaxiqfov0RYxO7QNE5D7SQRAN7zscBdcfd2NuZZfA)" to integrate it with VScode.(Optional)

4. Install virtual box :

\* install VB

\* install any Linux distro

\* install MPI on Linux as described bellow

MPI installation process for Linux :

\* use "sudo apt-get update" to update the system

\* use "sudo apt install openmpi-bin libopenmpi-dev" to install mpi

\* use "echo 0 | sudo tee /proc/sys/kernel/yama/ptrace\_scope" to resolve some problem (may be only for wsl)

\* go to your projects folder

\* mpicc name.c -o mpi.o (compile c file)

\* mpiCC name.cpp -o mpi.o (compile cpp file)

\* mpirun -np 4 ./mpi.o (run mpi)

Additional tricks for WSL

\* "cd .." repeatedly until reaching the root folder

\* mnt contains all of your drive

\* use cd to go to your desired folder