Installation Guide for win_flex_bison, MinGW, Chocolatey, and Make

A) Install win_flex_bison and add to PATH

1. Download win_flex_bison from:
   https://github.com/lexxmark/winflexbison/releases
   (choose win_flex_bison-2.5.25.zip).
2. Extract the ZIP file to a permanent folder, e.g., C:\Tools\win_flex_bison.
3. Rename executables inside the folder:
   - win_bison.exe → bison.exe
   - win_flex.exe → flex.exe
4. Add folder to PATH:
   - Open Environment Variables → Edit system variables → Path → New → Add: C:\Tools\win_flex_bison.

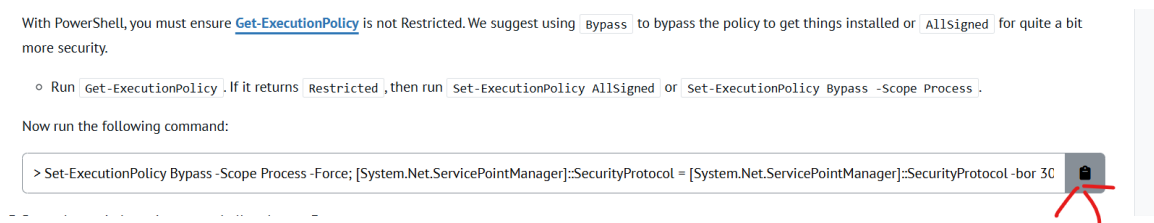## B) Install MinGW (GCC/G++), select packages, and add to PATH

5. Download MinGW installer from:
   https://sourceforge.net/projects/mingw/files/latest/download?source=files.
6. Run mingw-get-setup.exe and install in C:\MinGW.
7. Open MinGW Installation Manager and under Basic Setup, mark the following packages for installation:
   - mingw-developer-toolkit
   - mingw32-base
   - mingw32-gcc-g++
   - mingw32-libpdcurses
   - (Optional) mingw32-gcc-objcect.
8. Go to Installation → Apply Changes → Apply.
9. Add MinGW paths to PATH:
   - C:\MinGW\bin
   - C:\MinGW\msys\1.0\bin
10. Verify GCC in cmd:
    gcc --version
    g++ --version

C) Install Chocolatey and make, then verify

Click following link:

https://chocolatey.org/install

then scroll down. You will a command like given:

11. Open PowerShell as Administrator.
12. Run the copied command:
13. Open a new PowerShell and verify Chocolatey:
    choco -v
14. Install make:
    choco install make -y
15. Verify make in cmd:
    make --version

Quick Troubleshooting

16. - If gcc or make is not recognized, reopen the terminal after editing PATH.
17. - Use the command: where gcc and where make to confirm installation.
18. - Make sure to use --version (two hyphens), not –version.