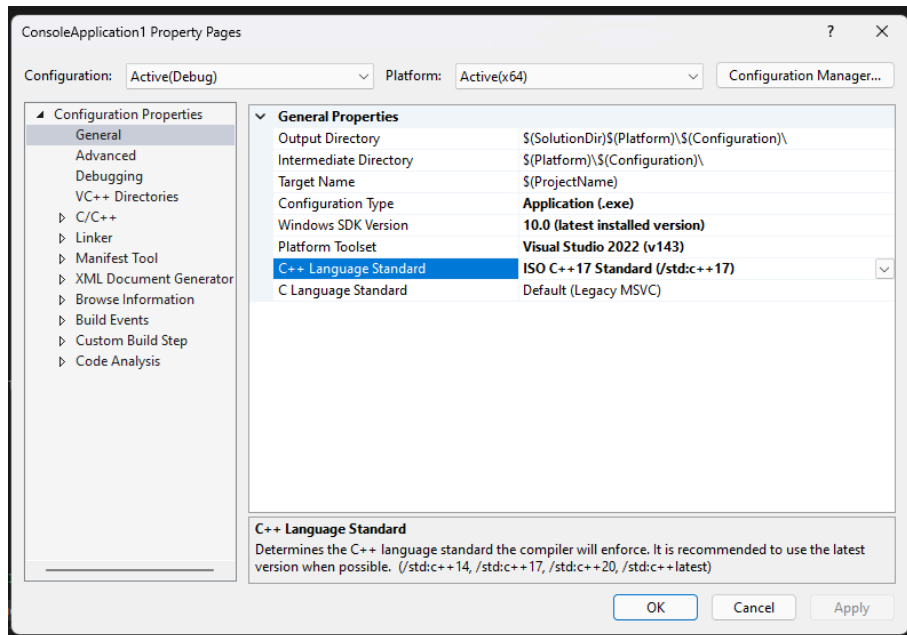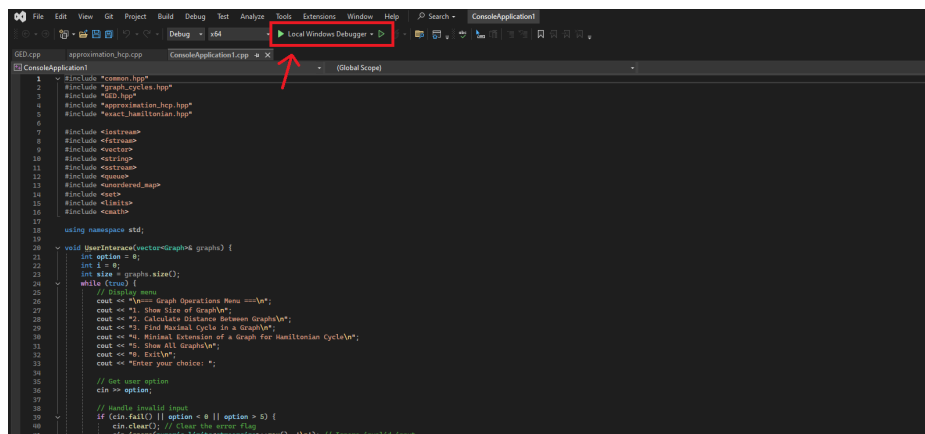# INSTRUCTION OF COMPILATION

Using VS2022:
1. Open Visual Studio 2022.
2. Choose Open a project or solution.
3. Choose file: **ConsoleApplication1.sln**
4. Make sure to use the correct C++ Language Standard:
    a. Open Project Properties:
    b. Choose *General -> C++ Language Standard*
    c. Choose option: ISO C++17 Standard (/std:c++17)

5. Run:

Using executable file:
1. Run ***ConsoleApplication1.exe***

INSTRUCTION OF USING THE PROGRAM

1. Run the program and enter the path to the graph data file when prompted.
2. Example: **/path/to/graphs.txt**
3. Enter option: **Main Menu Options**
    1. **Show Size of Graph** — View the size (number of vertices) of a specific graph.
    2. **Calculate Distance Between Graphs** — Calculate the edit distance between two graphs (exact or approximate).
    3. **Find Maximal Cycle in a Graph** — Find the longest cycle in a graph (exact or approximate).
    4. **Minimal Extension for Hamiltonian Cycle** — Determine edges needed to make a graph Hamiltonian (exact or approximate) and displays number of hamiltonian cycles:
    5. **Show All Graphs** — Display all loaded graphs.
    6. **Exit** — Exit the program.

4. Enter graph number on which the algorithm should be executed(Graphs are numbered from zero during input.)