**Project Overview:**

For this project, we had to code, in C or Java, a process manager. This process manager had to identify system and user processes, and for each process the following information had to be provided: CPU utilization, I/O utilization, memory usage, and whether the process is CPU or I/O bound.

Inputs: N/A

Outputs: GUI displaying process information

**How to Run the Process Manager C Code:**

Step 1: Install a C Compiler

* Option 1: Install MinGW
* Option 2: Install Visual Studio Code (for Windows)

Step 2: Install Windows API

* If using MinGW, there is no need to install Windows API (built-in).
* If using Visual Studio Code, install Windows SDK alongside C/C++ tools.

Step 3: Create a C Program File

1. Use any text editor
2. Copy the C code then paste it.
3. Save and name the file “process\_manager.c”.

Step 4: Compile the Code

1. Open Command Prompt (CMD).
2. Run the following command “gcc -o process\_manager.exe process\_manager.c -luser32 -lgdi32 -lpsapi”.
3. Run the executable using “./process\_manager.exe” or finding the executable file and double-clicking it.