Project Structure Overview:

YourProject/

│

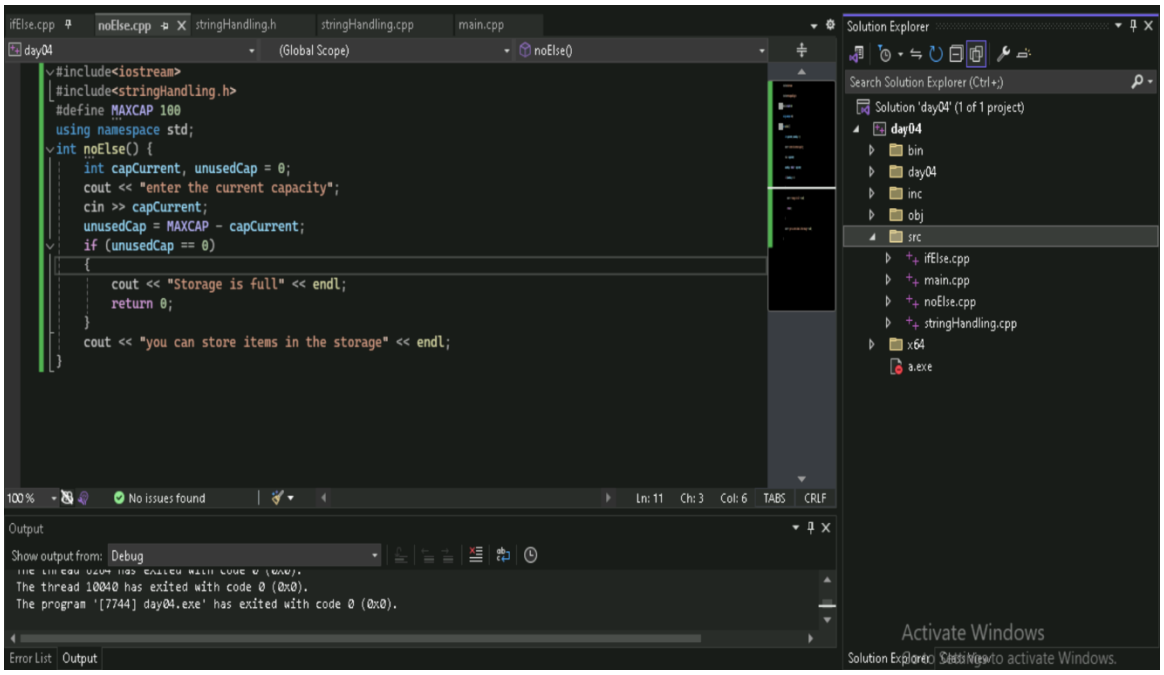
├── src/ → Source files (.cpp)

├── inc/ → Header files (.h or .hpp)

├── obj/ → Compiled object files (.o)

├── bin/ → Final binary/executable

└── Makefile → (optional) Automate the build process



STEP-BY-STEP PROCESS OF ORGANIZING A C++ PROJECT IN VISUAL STUDIO:

Step 1: Create a New Project

1. Open Visual Studio.
2. Go to File>New>Project.
3. Select Console App(C++).
4. Give your project a name(eg:Day04)
5. Click Create.

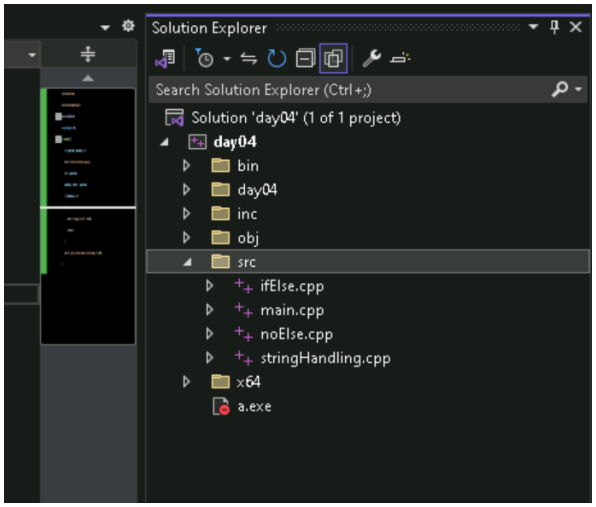
Step 2: Set Up Project Folder structure

a) In Solution Explorer:
   Right click on the project > Add >New folder
   - Add: src,inc

b) In File Explorer:
   Navigate to your project folder.
   Manually create these folders:
   - src – for .cpp files
   - inc – for .h files
   - obj – will be used by the compiler
   - bin – for the final .exe or executable output

Step 3: Add and Move files

- Move the existing main.cpp to the src folder.



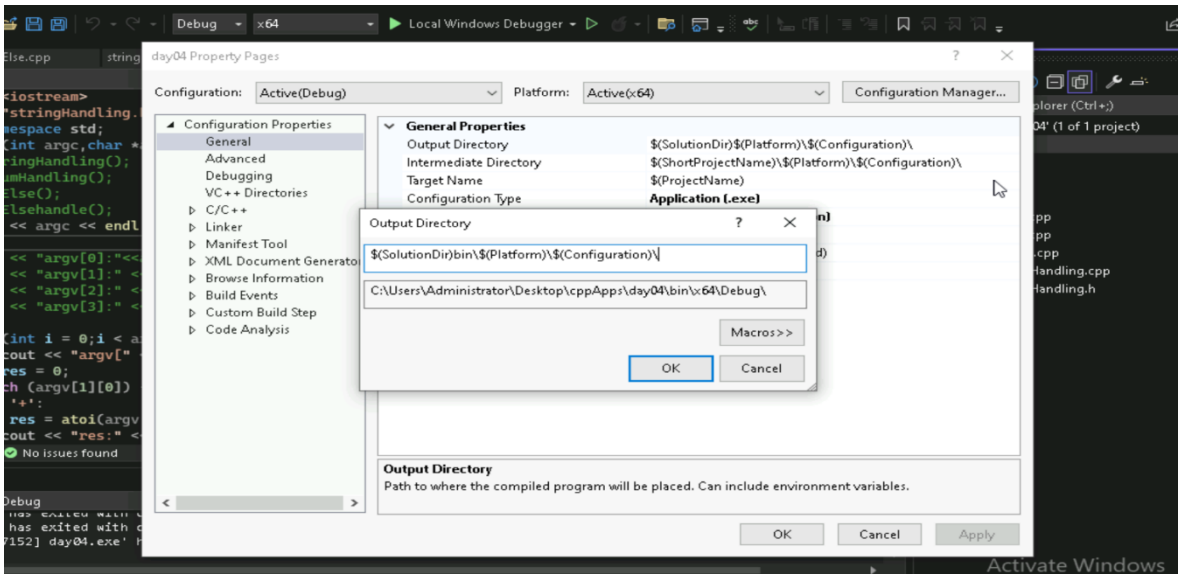
- Create addition files:
- In inc: Right click the inc folder > Add > New item>header file(e.g., calculator.h)
- In src: Right click the src folder> Add > New item> C++ file(e.g., calculator.cpp)

Step 4: Write and Include Code

Step 5: Set output Folders for bin ,obj and inc.

1) Right click your project > properties.
2) Under Configuration properties> General:

- Output Directory – set to $(SolutionDir)bin\$(Configuration)\



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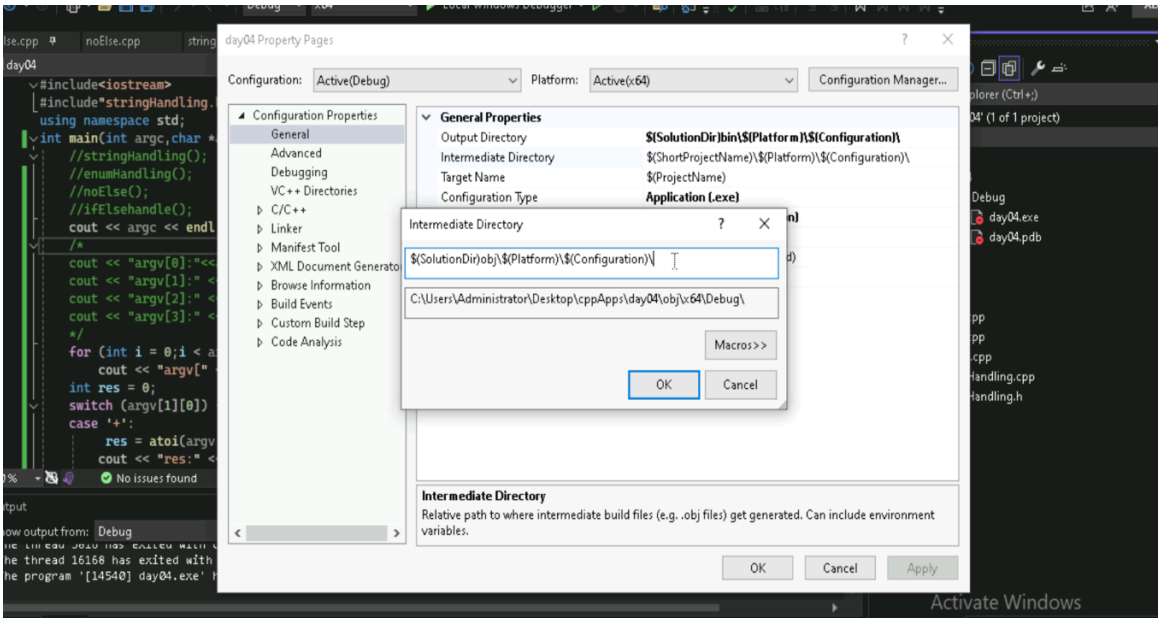
- Intermediate directory – set to $(SolutionDir)obj\$(Platform)\$(Configuration)\



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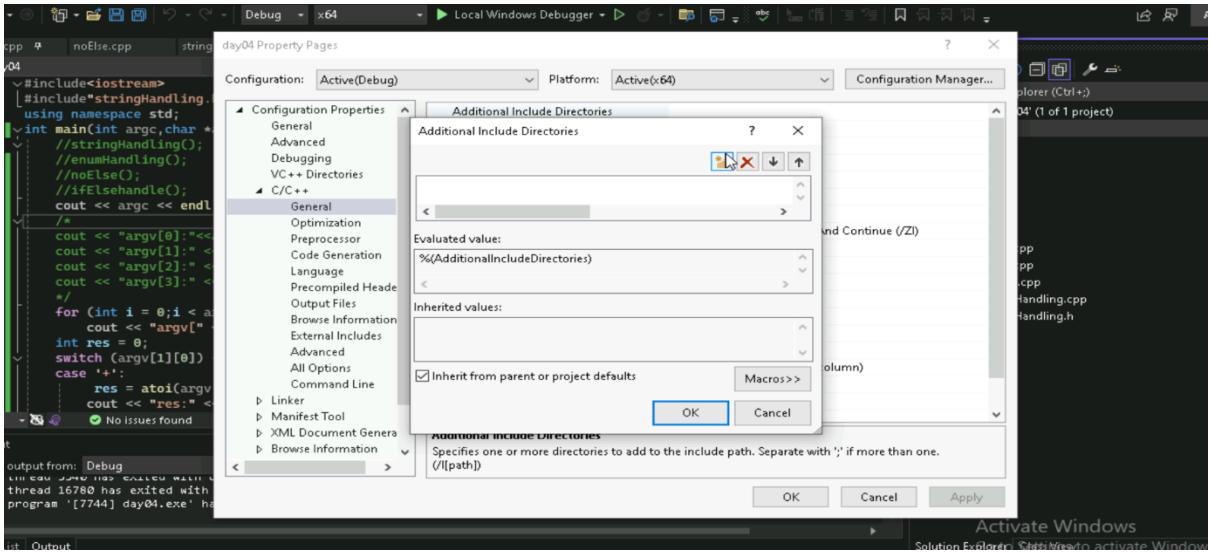
These tell Visual Studio where to save the compiled .exe(in bin) and object files(in obj).

3) Under Configuration properties> C/C++>General:

- Additional Include Directories > Edit...>Add the inc folder path



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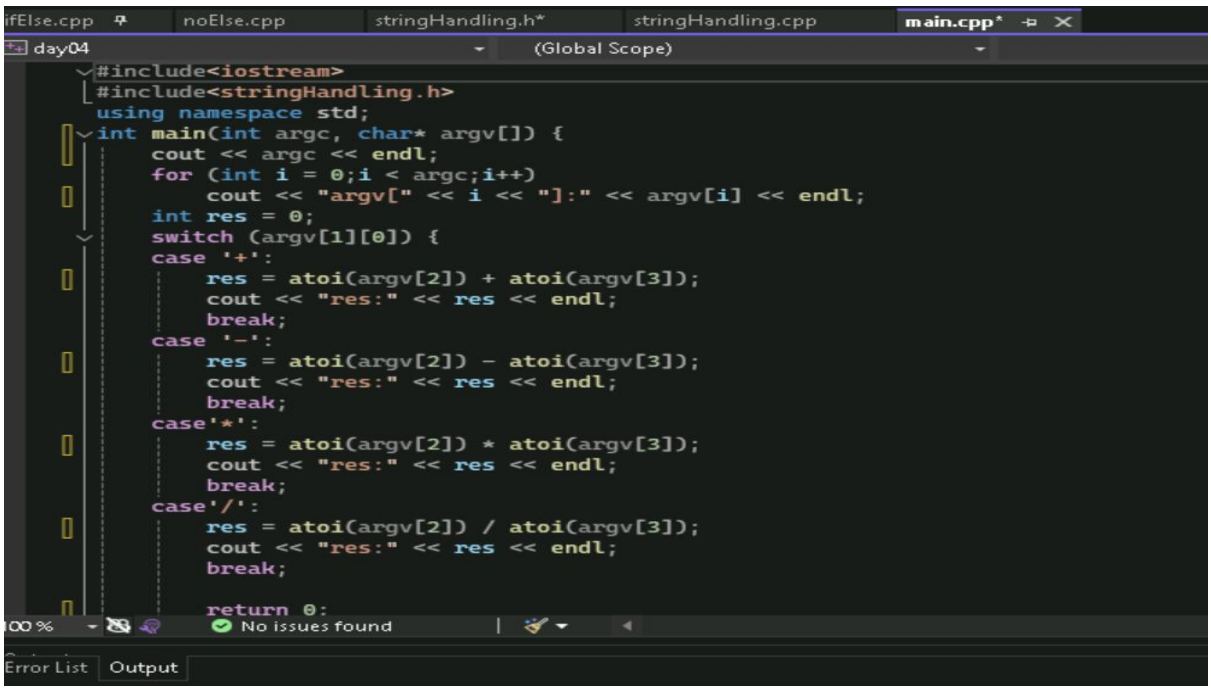
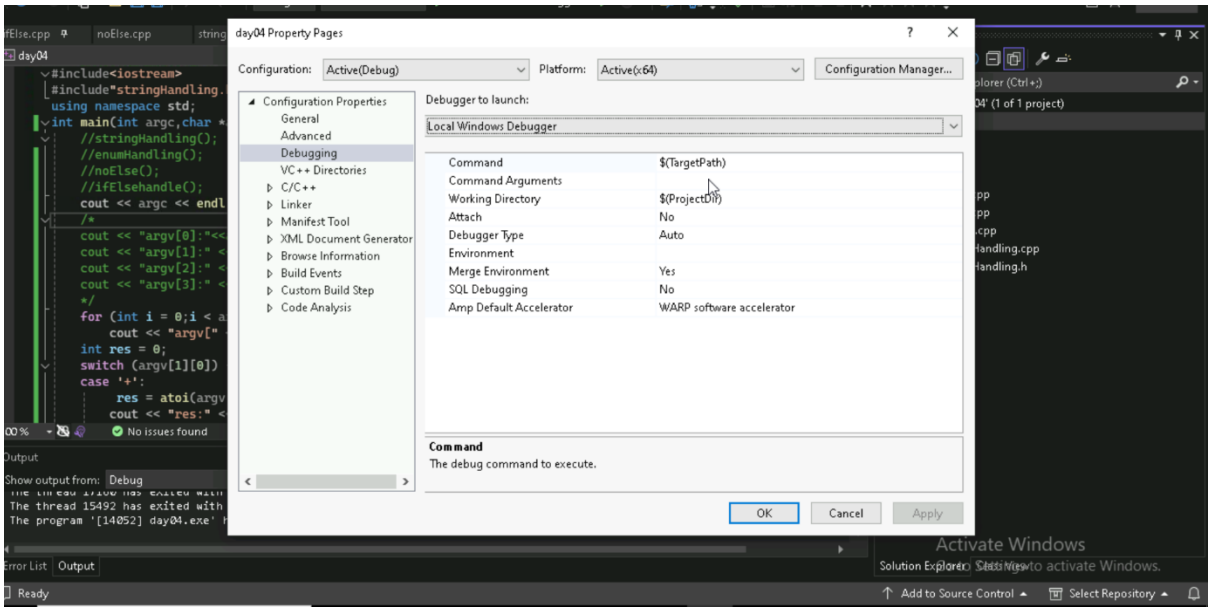
Step 6: Build and Run

// A C++ program in Visual Studio using command line input

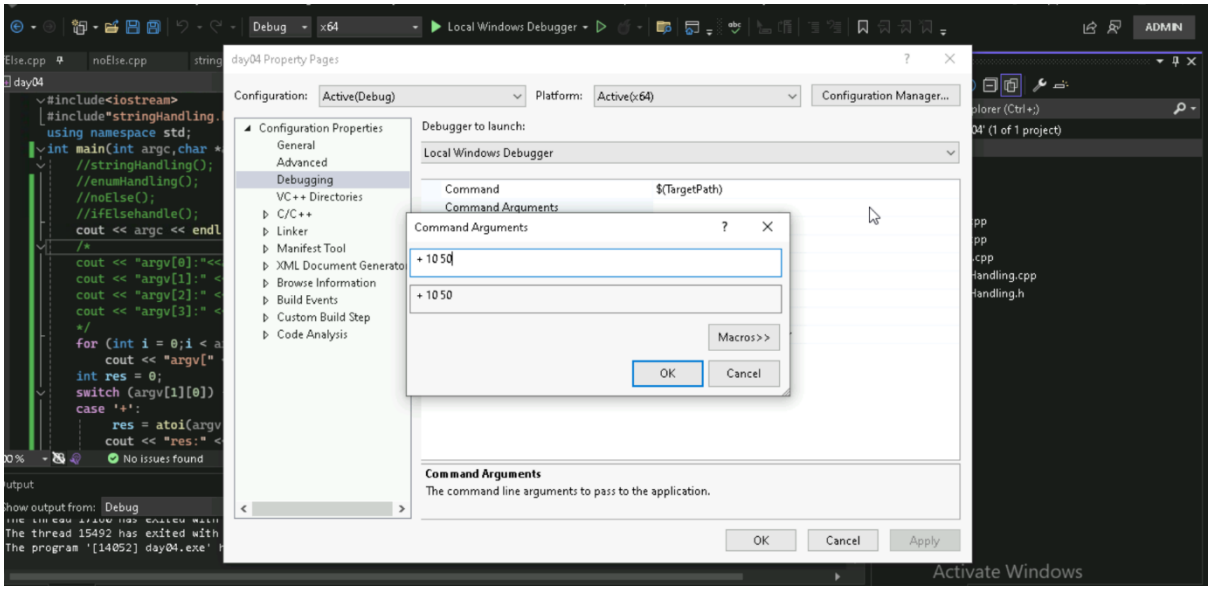


1) Right-Click your project > properties.
2) Under Configuration properties> Debugging:

- Command Arguments>edit..



- Add command Arguments (e.g. + 10 50)



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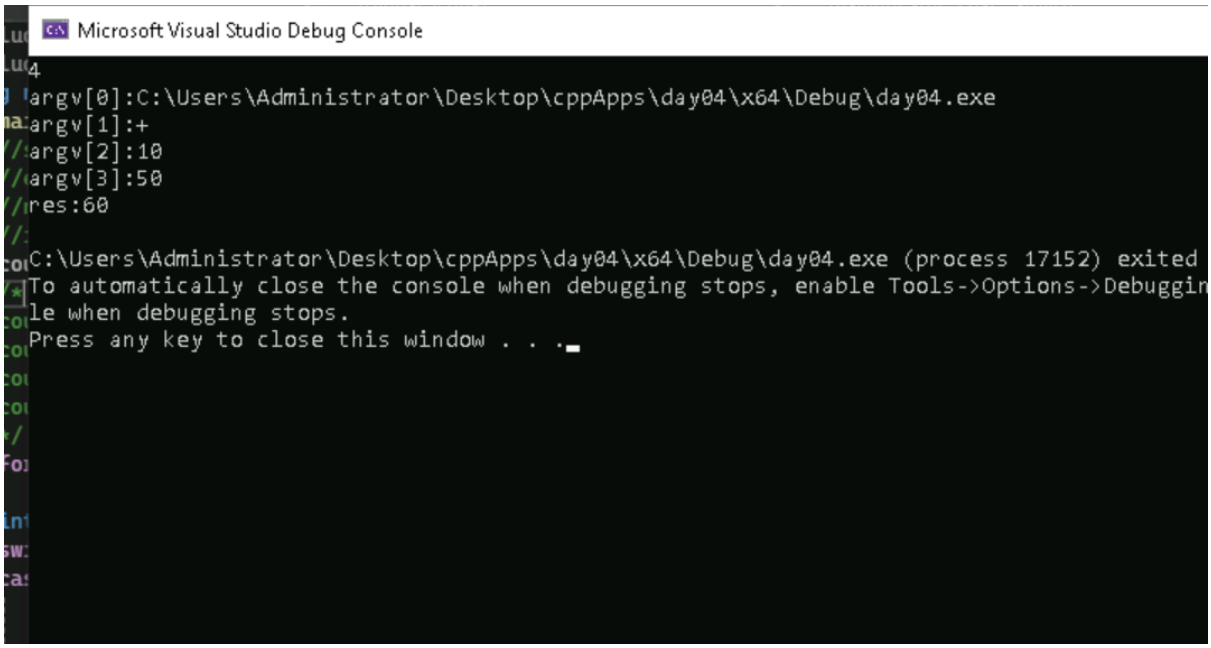
Output:



Another method:

- Directly from the command prompt after giving “a.exe” command we can give inputs.