

EE3093 Tutorial: C++ week 2 (Part 1 Only)

Instructions specific to **Visual Studio**

This document includes Part 1 only, with instructions relative to the Dev-C compiler. See the complete document for the full set of instruction of this tutorial.

Part 1: Basic - Create an empty CPP project

1. **Create a directory on your H drive** for this tutorial (e.g. H:\EE3096\CppPart\Tutorial2).
These ensure that the source files are saved on H and you can work on them at any time and from any machine on campus or via VDI.
2. Open **VisualStudio**;
3. Select menu **File -> New -> Project**;
4. Select **Console App**;
5. Select the appropriate directory on your H drive (e.g. H:\EE3096\CppPart\Tutorial2)
6. Choose a name (e.g. **TUT2**) and click **Create**.
7. This process creates a **Solution** and, inside it, a **Project**, with the same name (it is possible to add more projects to a Solution).
8. A default main cpp file has been created (with the same name as the Project). Locate the directory where that file is in. **Copy the header files from previous tutorial to this new directory**:
"RectangleExample.h", "RightTriangleExample.h" and "Polygon_w_color.h" (so that these can be modified, without affecting the originals made for TUT1);
9. Remove the default main cpp file (with the same name as the Project) by selecting the file in Visual Studio, on the right pane; then right click and select **Remove**; when prompted choose Delete (you can permanently delete this default source file).
10. On the right pane, select the **Header Files** folder: right-click, select **Add** then choose **Existing Item** to add the header files that are in the current directory (from previous tutorial) to your project. Do the same for the **Source Files** folder to add the cpp file that is in the current directory (from previous tutorial).
11. **Applicable when using a University PC**: the execution of the program (resulting from compiling the project) may be blocked if the executable file is in the H drive; to prevent this, you can set the project so that **ONLY the executable file is placed on the local drive** (in the "temp" directory). Do the following:
 - (a) Open VS and open the project (if not open already);
 - (b) On the right pane, right click on the **Project** (not the Solution) and select **Properties** (alternatively press **ALT + Enter**);
 - (c) On the left Select **GENERAL**;
 - (d) In **Output Directory** type: **S:\temp**