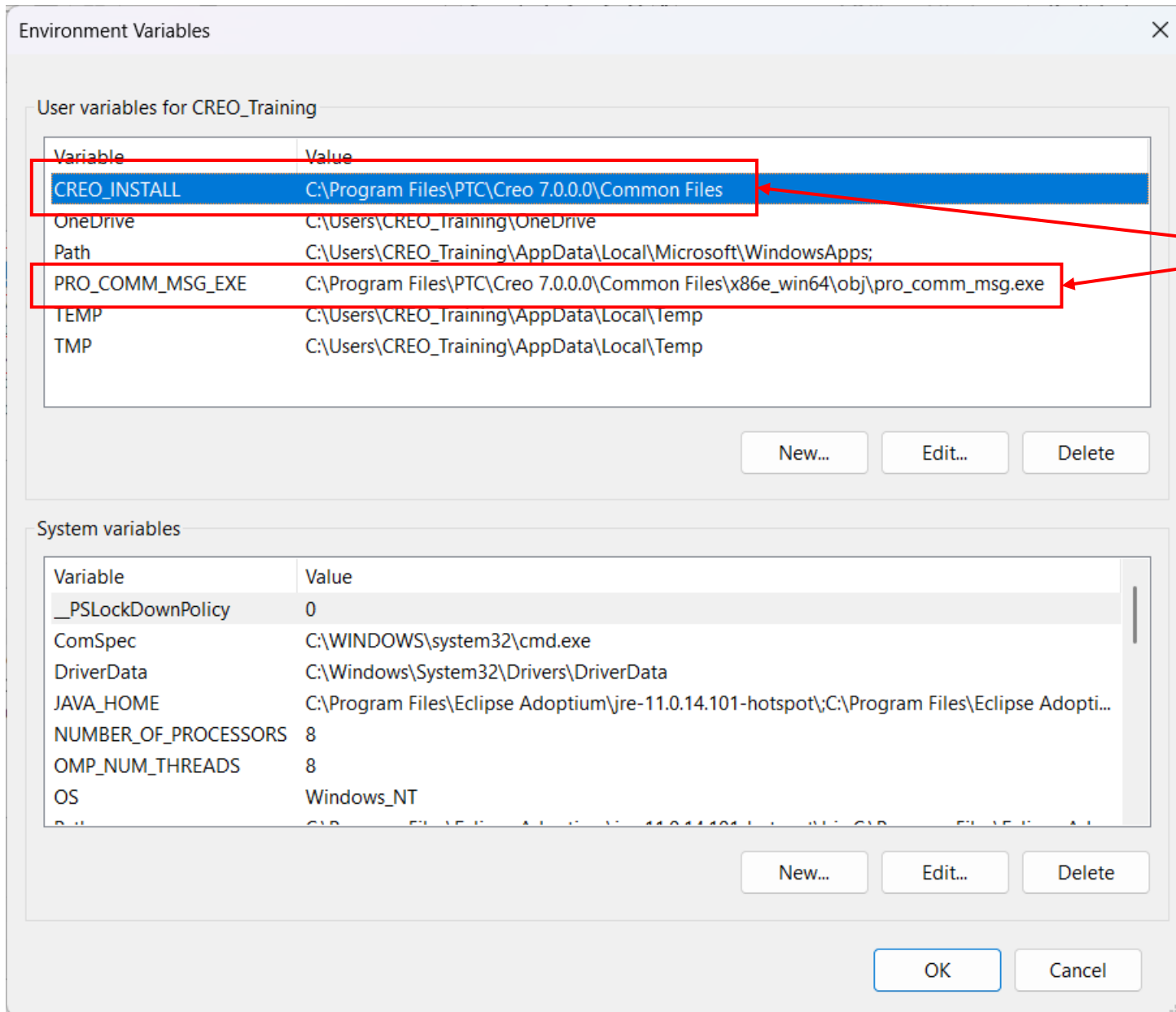


Prerequisite: Adding Environmental Variables



CREO_INSTALL ->
"C:\Program Files\PTC\Creo 7.0.0.0\Common Files"

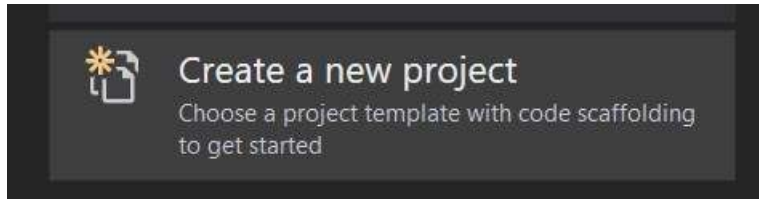
PRO_COMM_MSG_EXE ->
"C:\Program Files\PTC\Creo 7.0.0.0\Common Files\
x86e_win64\obj\pro_comm_msg.exe"

Step1: Install Visual Studio Professional 2019

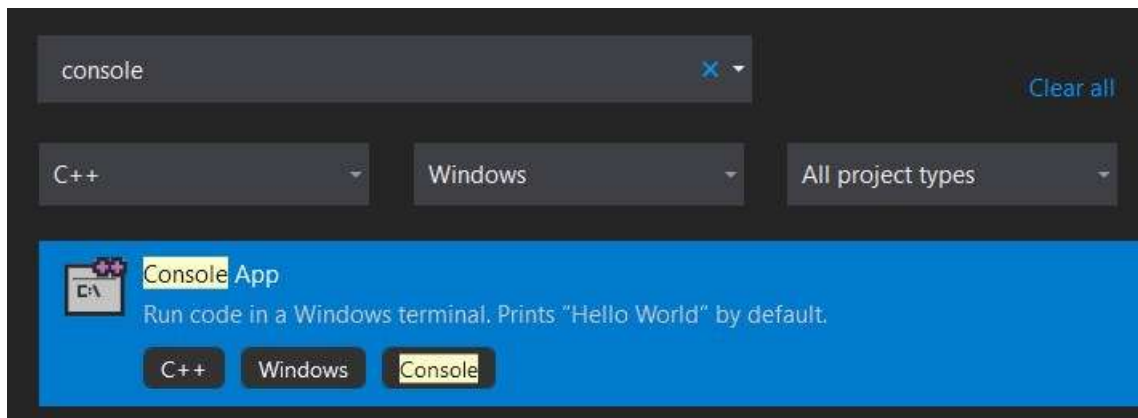


Creation of Visual Studio Project

Step2: Click on Create a new project



Step3: Select console App



Step4: Add Project name and location

Console App C++ Windows Console

Project name

ToolkitProject

Location

E:\CREO_Training

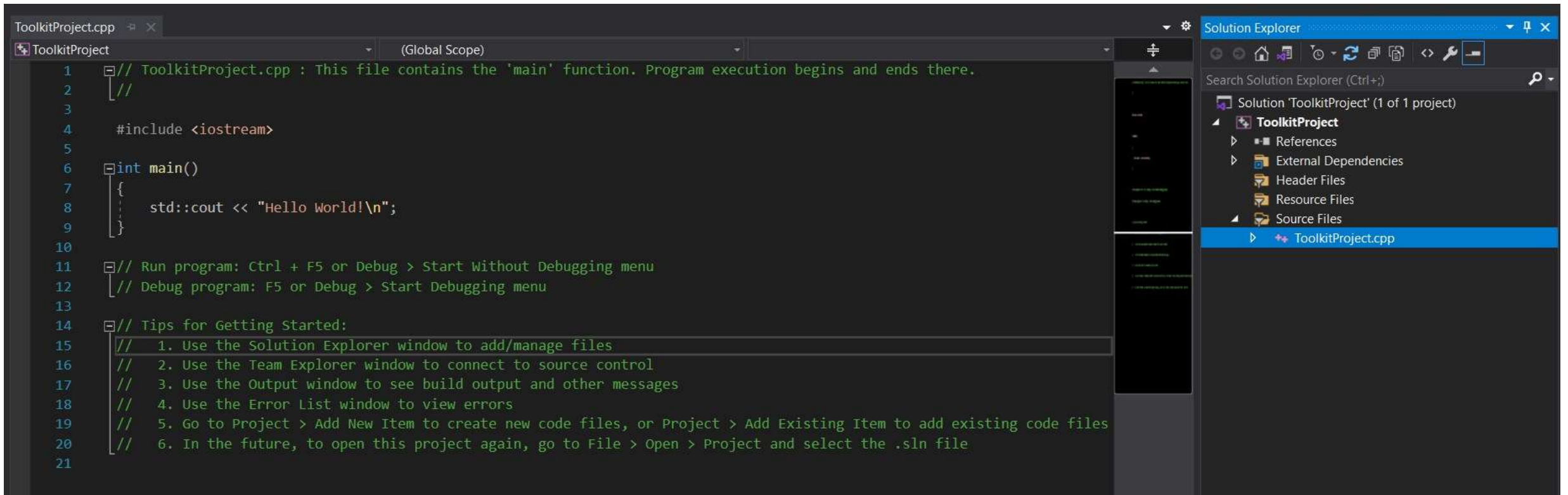
Solution name ⓘ

ToolkitProject

☒ Place solution and project in the same directory

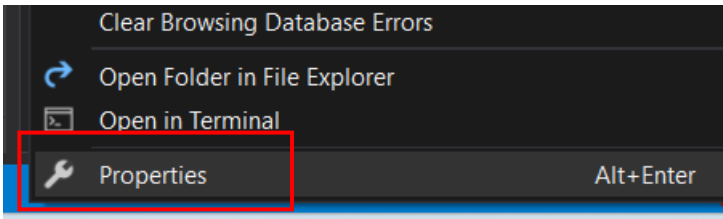
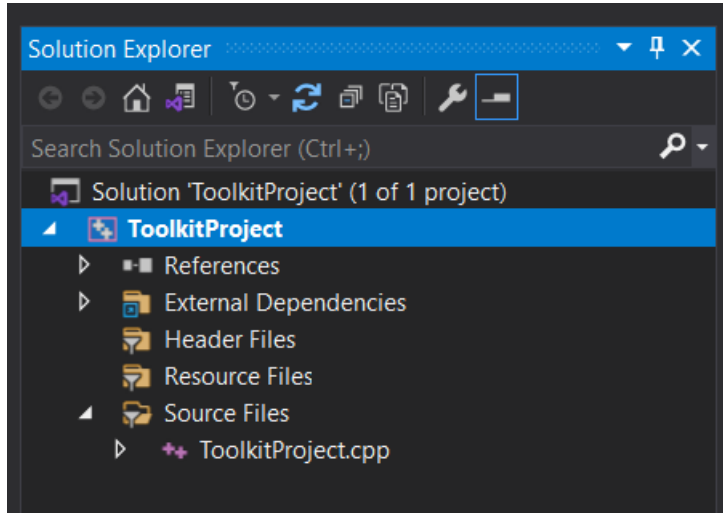
After successful creation, you will see a window like below

Creation of Visual Studio Project

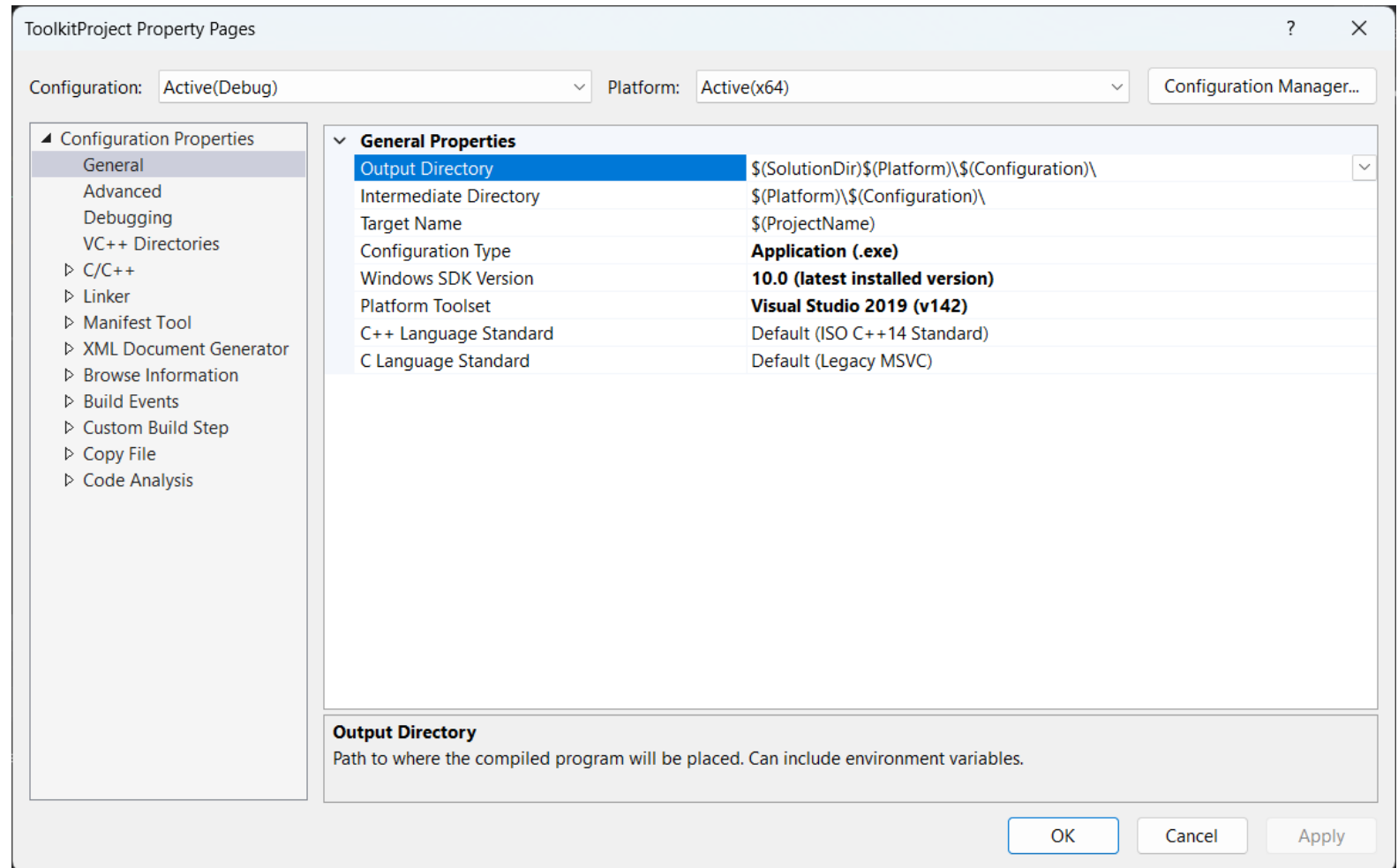


Step1: Right click on your project and click Properties

Settings in Visual Studio

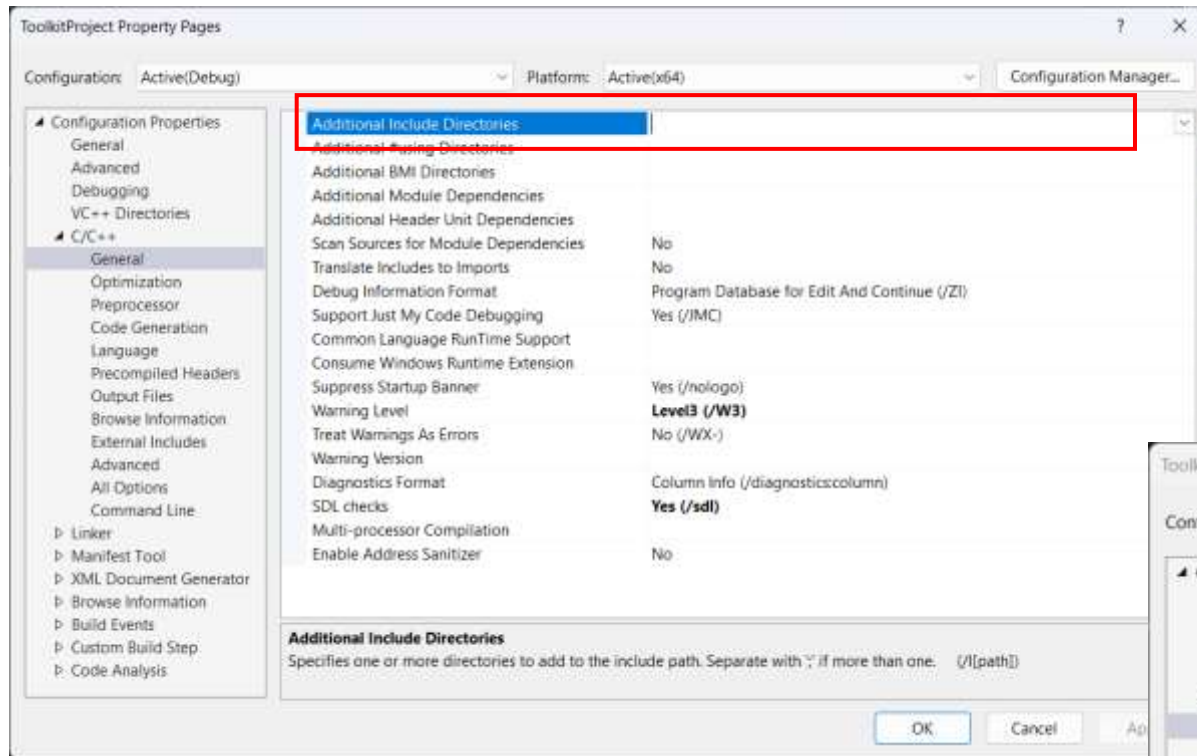


You will see a window pop up like below

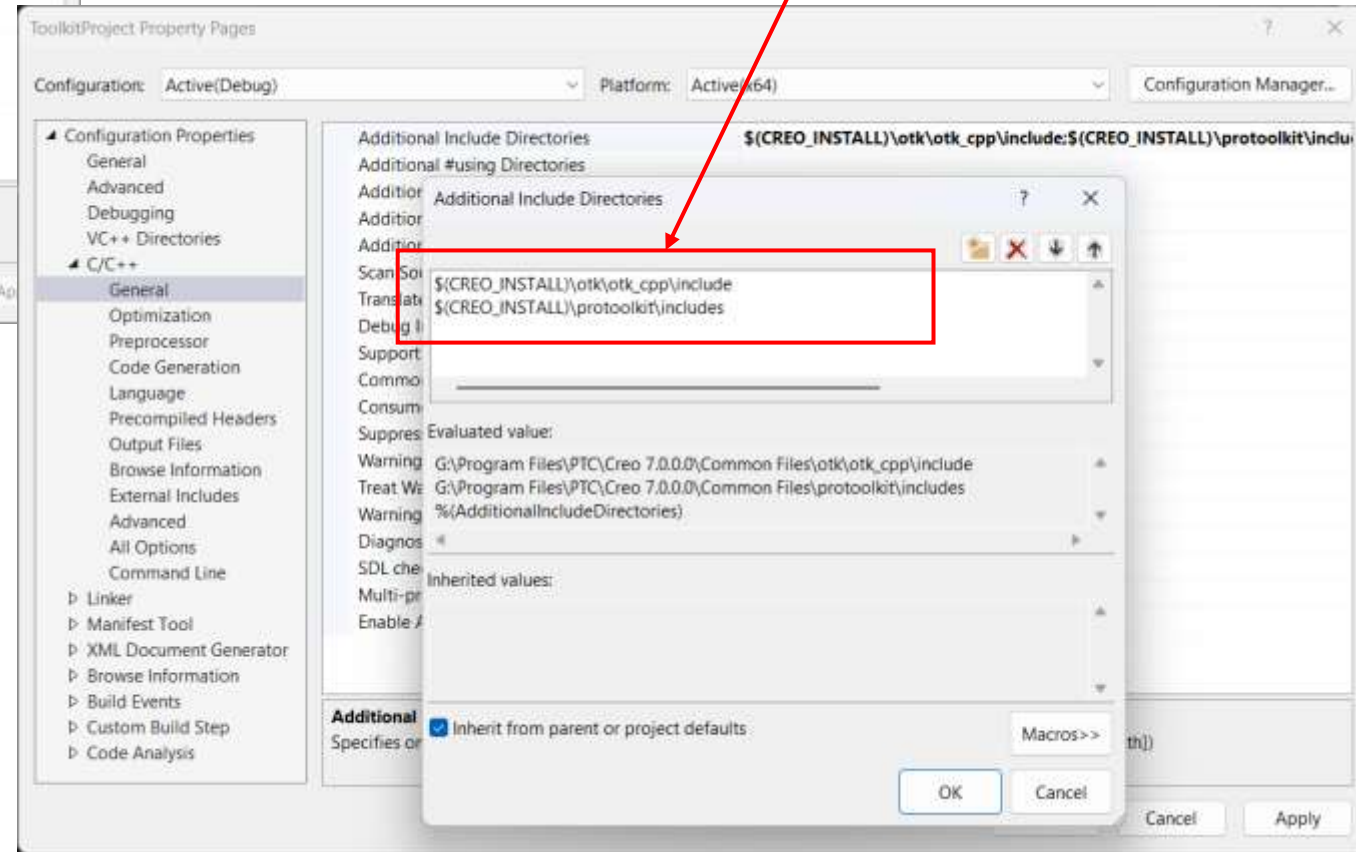


Step2: Add Additional Include Directories in C/C++ > General

Settings in Visual Studio

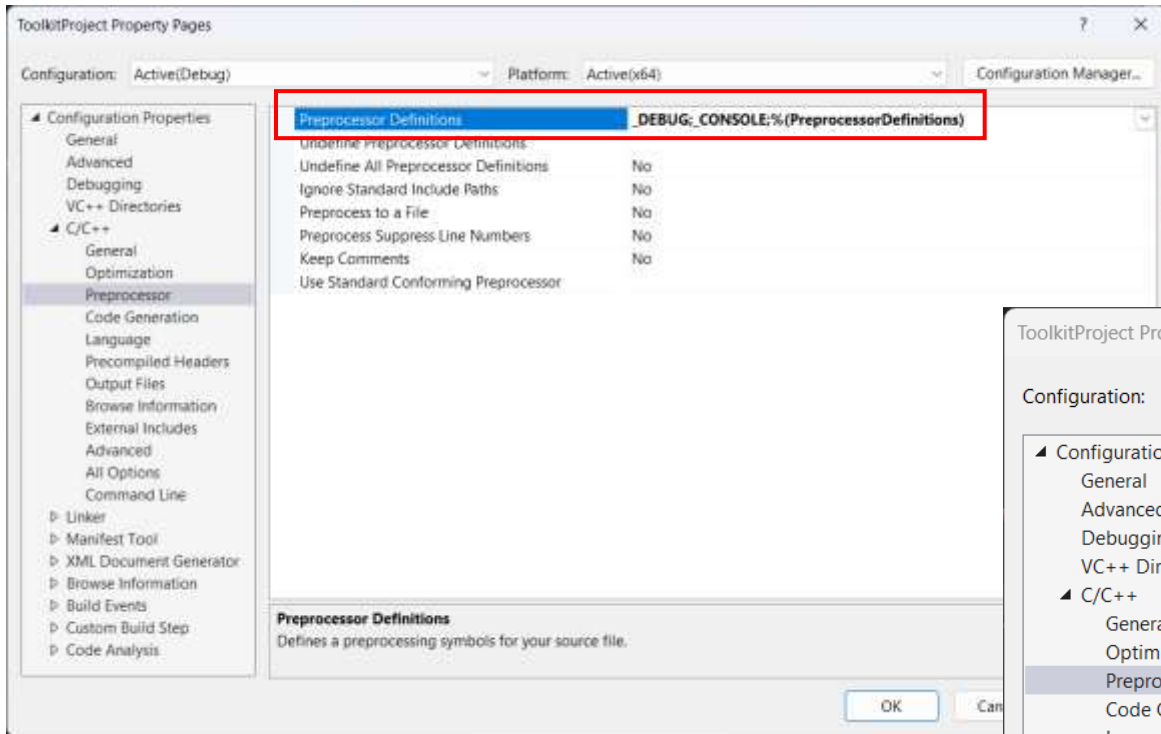


`$(CREO_INSTALL)\otk\otk_cpp\include`
`$(CREO_INSTALL)\protoolkit\includes`

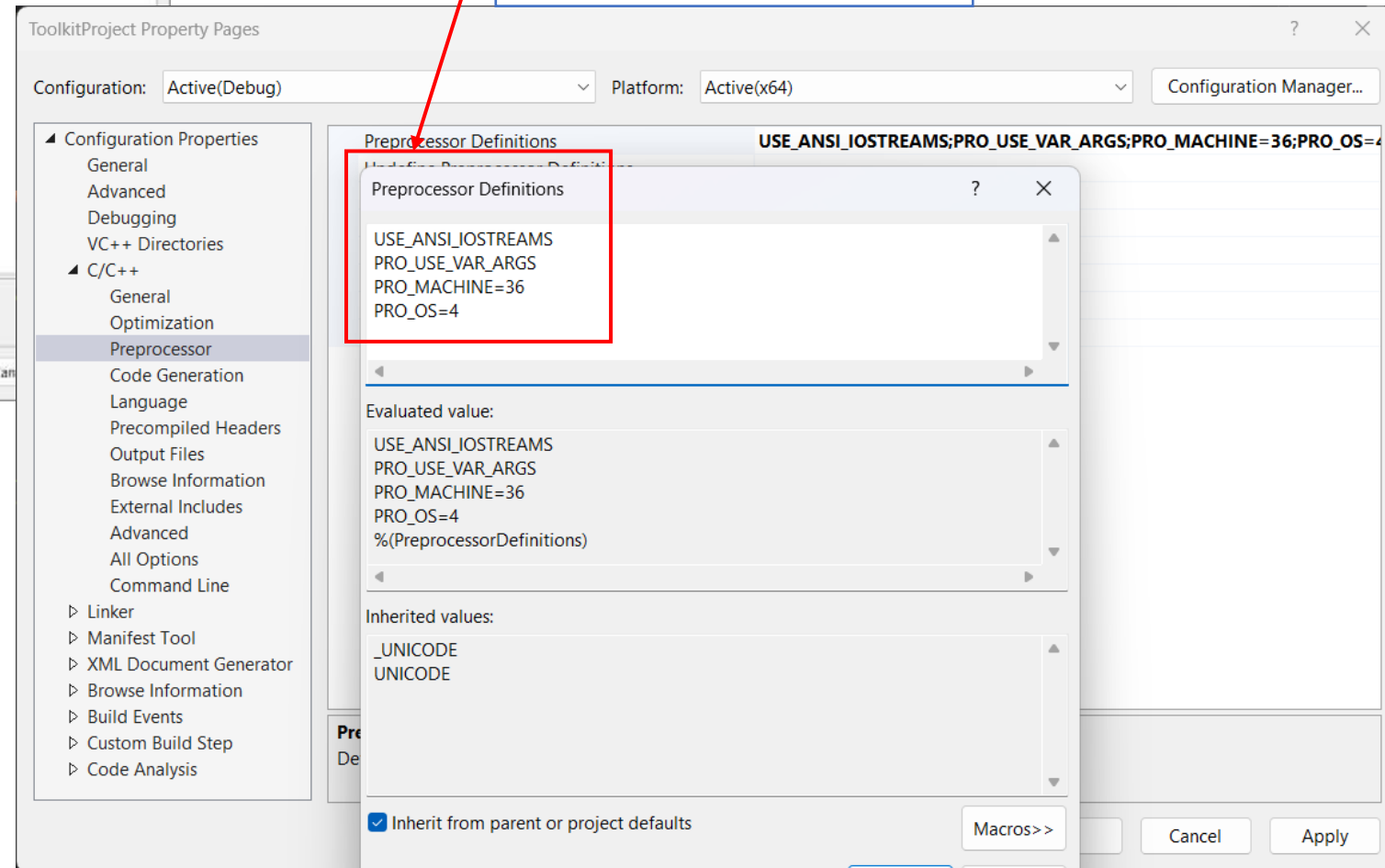


Step3: Change Preprocessor Definitions in C/C++ > General > Preprocessor

Settings in Visual Studio

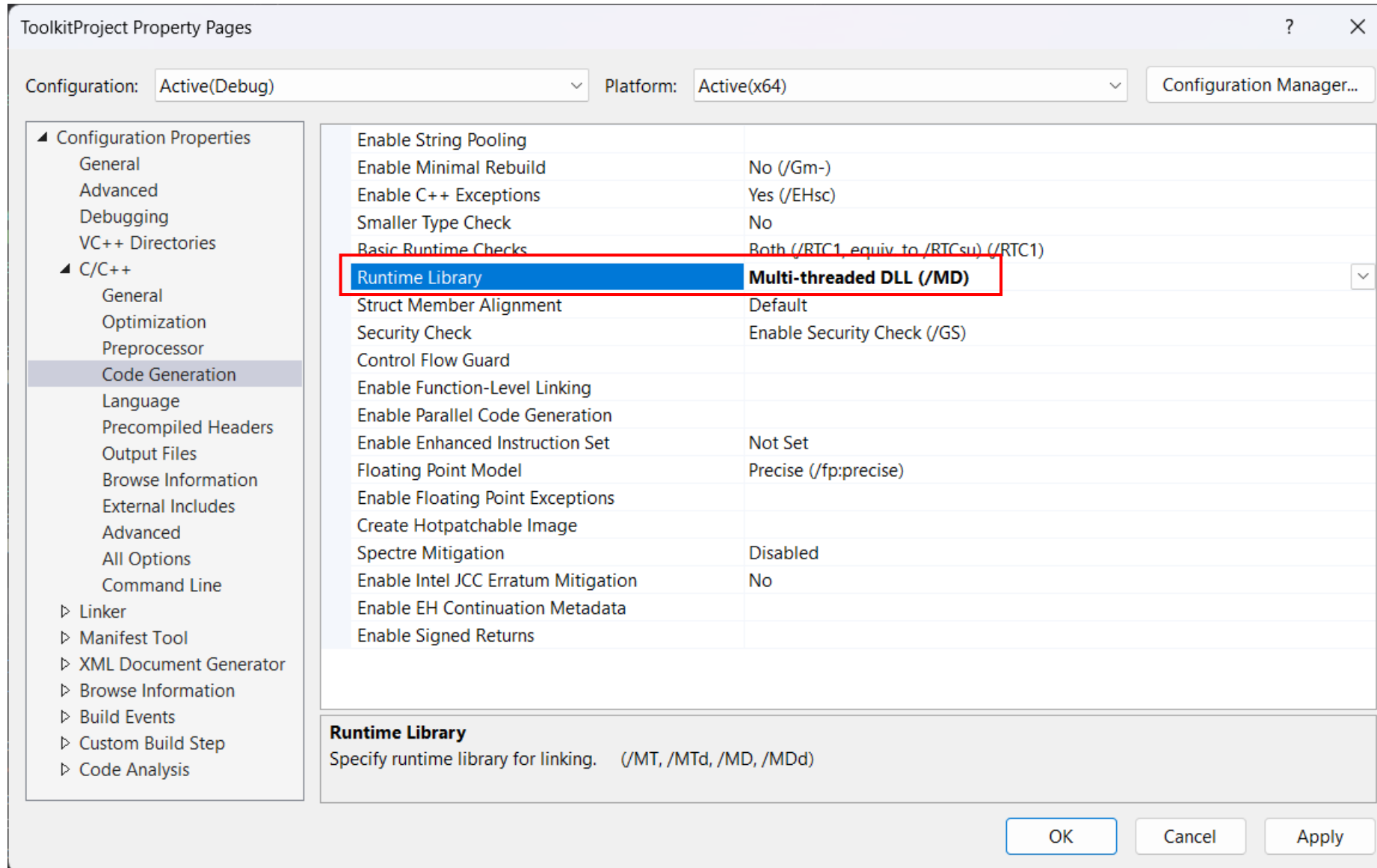


USE_ANSI_IOSTREAMS
PRO_USE_VAR_ARGS
PRO_MACHINE=36
PRO_OS=4



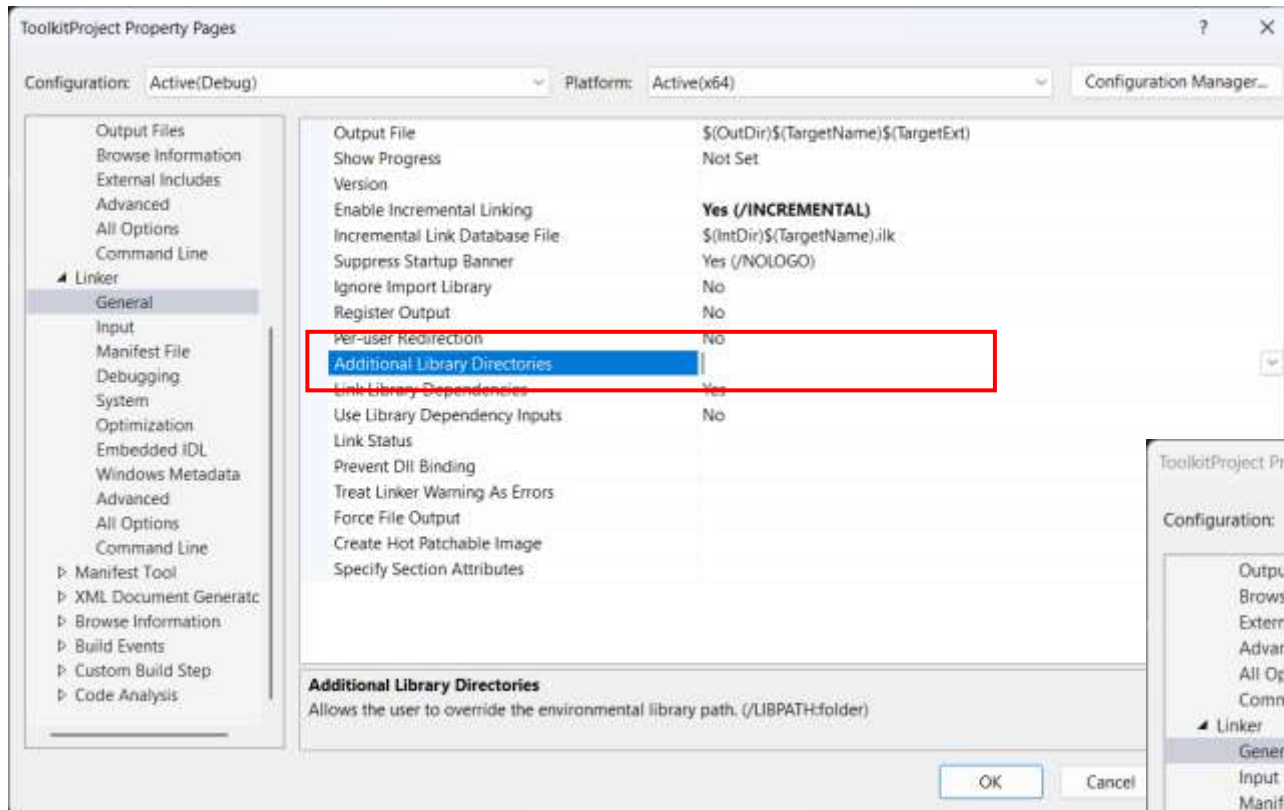
Step4: Change Runtime Library in C/C++ > General > Code Generation

Settings in Visual Studio

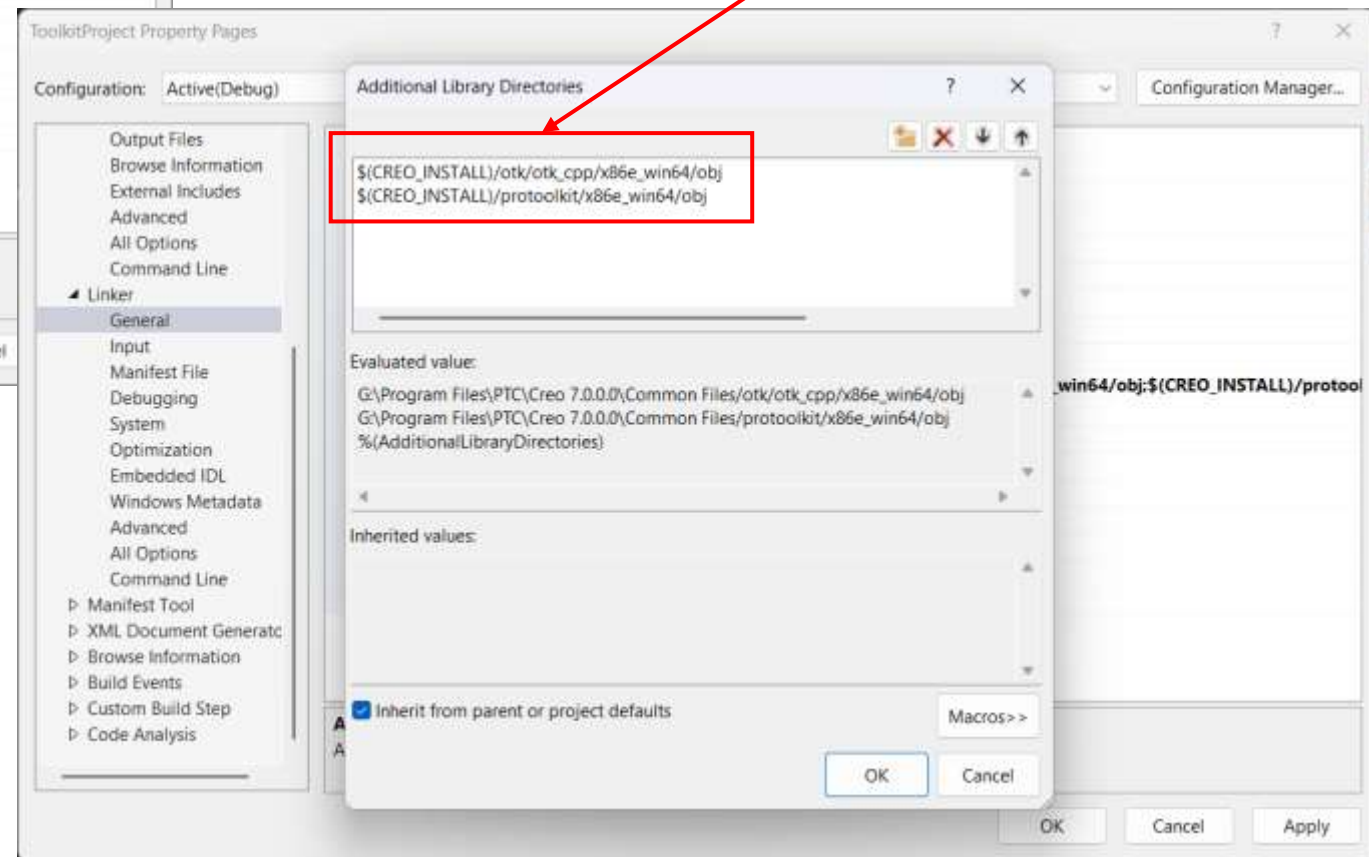


Step5: Add Additional Library Directories in Linker > General

Settings in Visual Studio

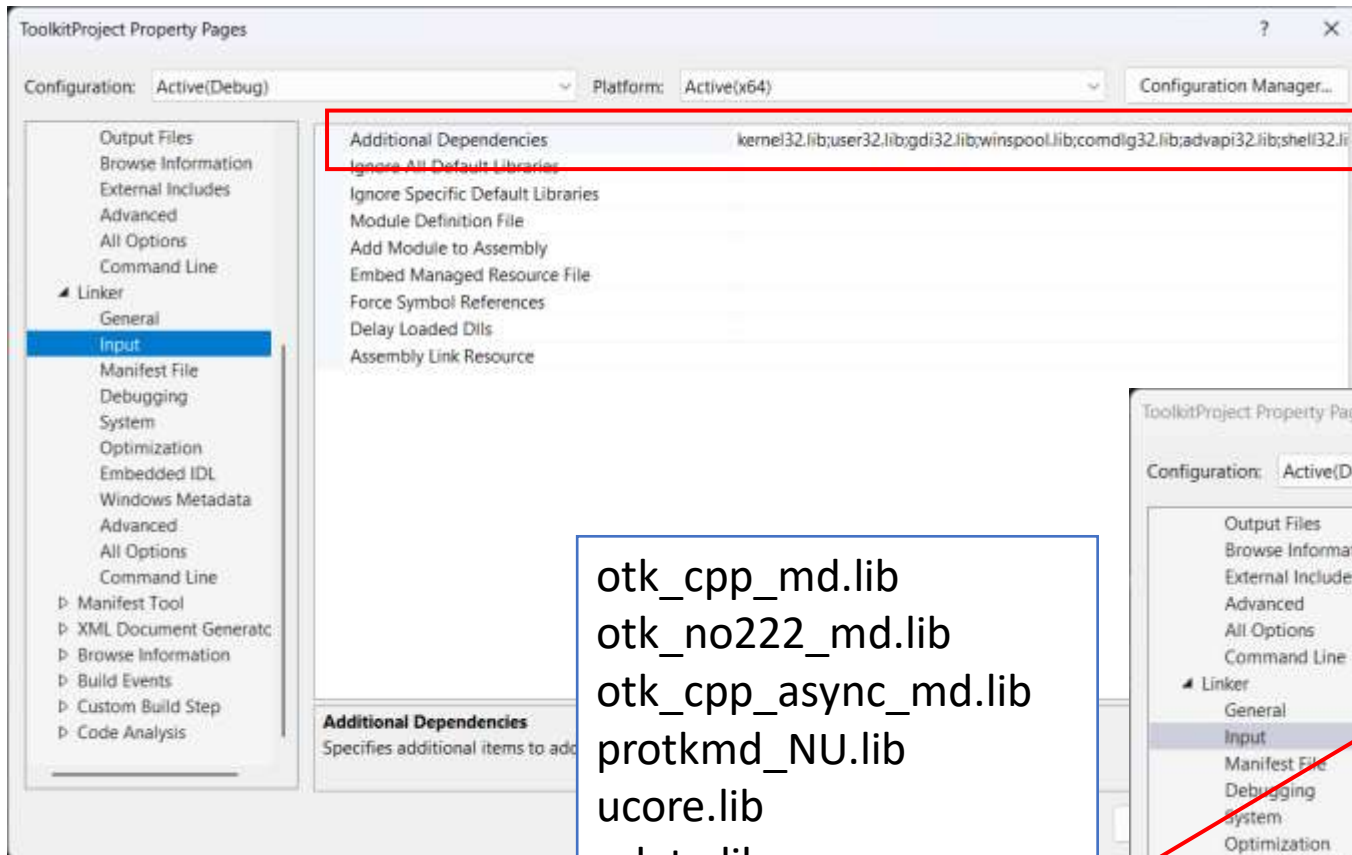


`$(CREO_INSTALL)/otk/otk_cpp/x86e_win64/obj`
`$(CREO_INSTALL)/protookit/x86e_win64/obj`

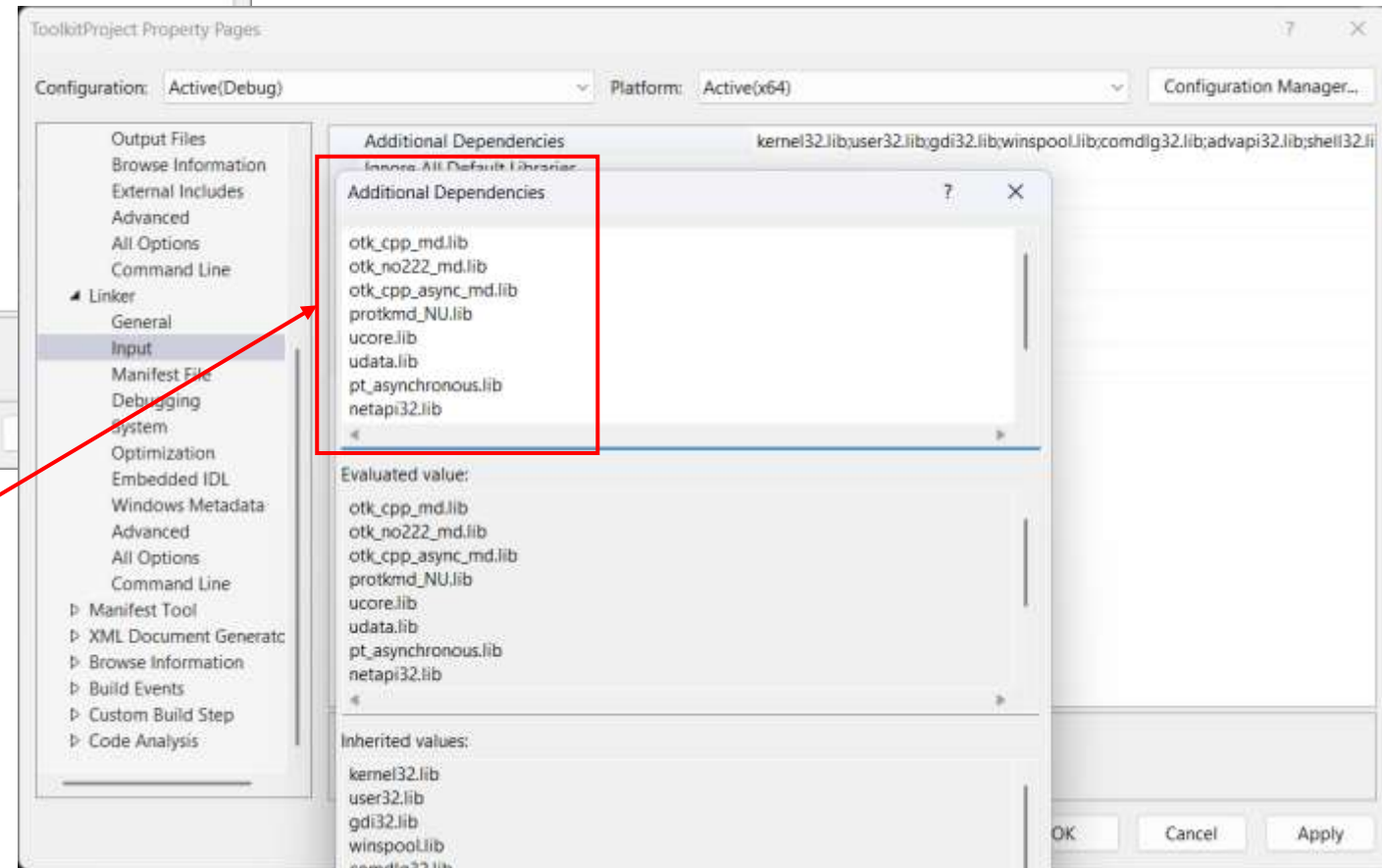


Step6: Add Additional Dependencies in Linker > Input

Settings in Visual Studio



otk_cpp_md.lib
otk_no222_md.lib
otk_cpp_async_md.lib
protkmd_NU.lib
ucore.lib
udata.lib
pt_asynchronous.lib
netapi32.lib
wssock32.lib
psapi.lib
mpr.lib
ws2_32.lib



Step7: Add Dependency dll's in the "Resource Files" (udata64.dll, ucore64.dll) which are available in "C:\Program Files\PTC\Creo 7.0.0.0\Common Files\x86e_win64\lib" folder

Right click on "Resource Files" > Add Existing Item > Select two udata64.dll, ucore64.dll files

After adding, set "Item Type" property to "Copy file" for both the files by using right click > Properties

Settings in Visual Studio

Program Files > PTC > Creo 7.0.0.0 > Common Files > x86e_win64 > lib

Name	Date modified	Type	Size
libEcadKernel_vs15.dll	27-08-2024 18:38	Application extension	7,607 KB
udata64.dll	27-08-2024 18:38	Application extension	26,897 KB
ucore46.dll	27-08-2024 18:38	Application extension	1,119 KB
ucore64.dll	27-08-2024 18:38	Application extension	1,545 KB
udata46.dll	27-08-2024 18:38	Application extension	14,796 KB
genpdmintfmt.dll	27-08-2024 18:35	Application extension	3,896 KB

