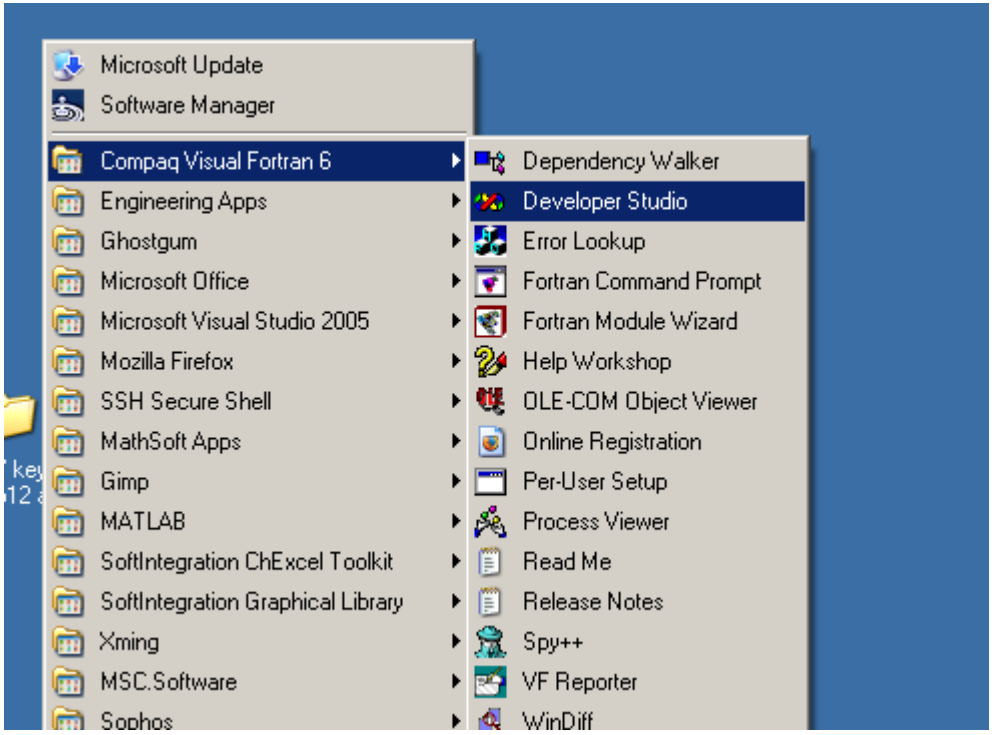
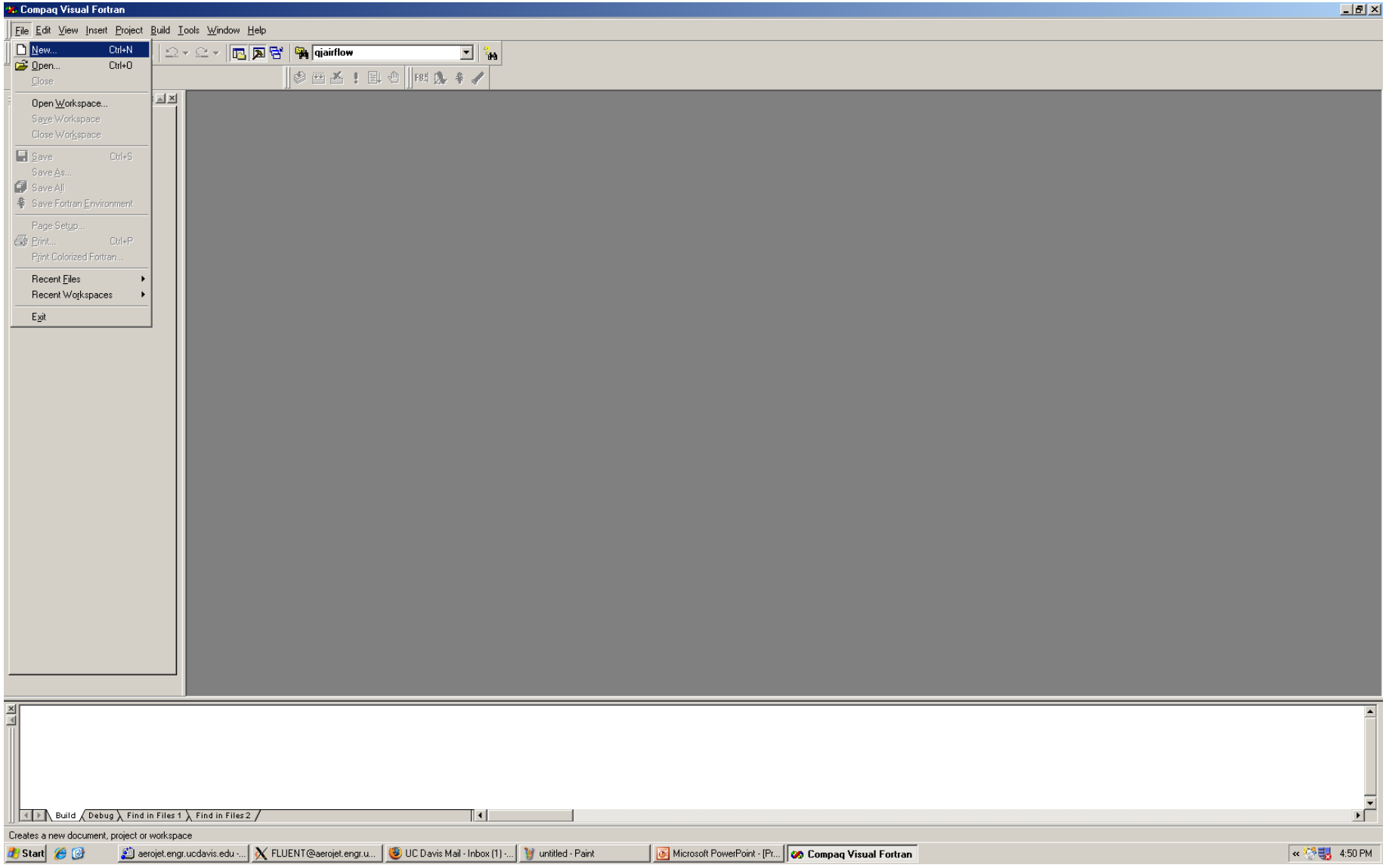
How to compile the qjairflow.f

EAE127, 2009

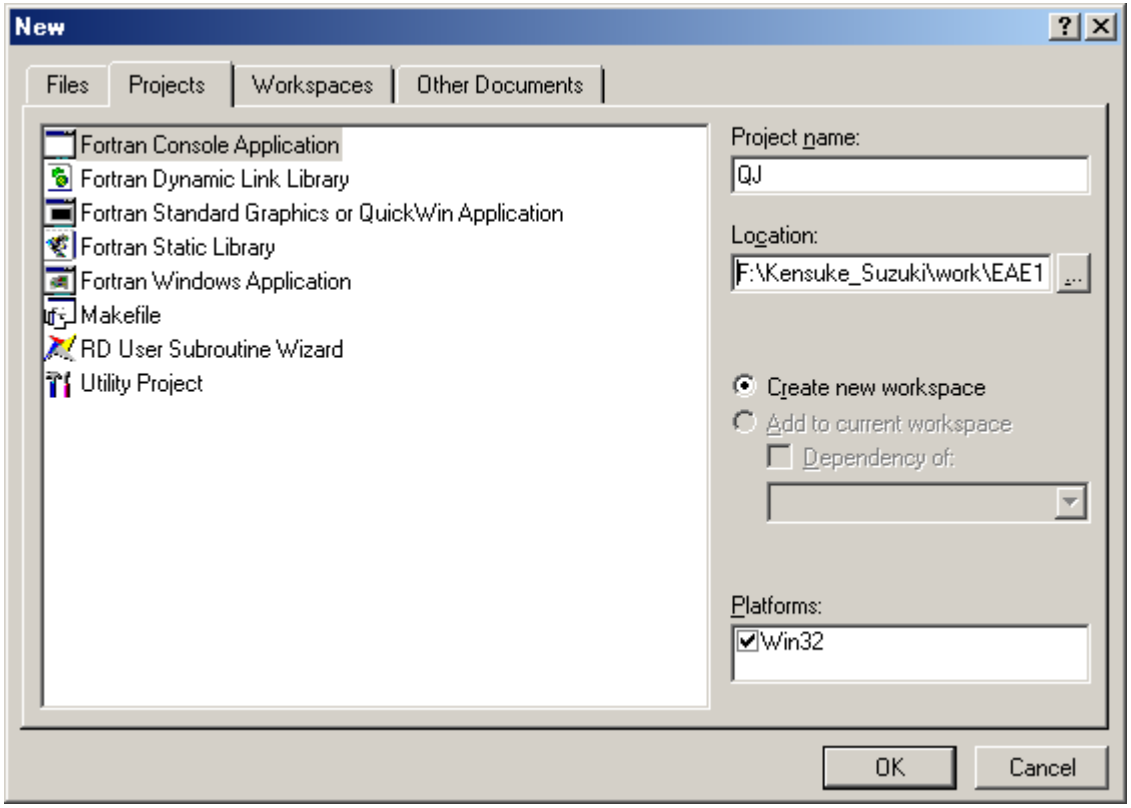
Open compaq visual Fortran Developper Studio



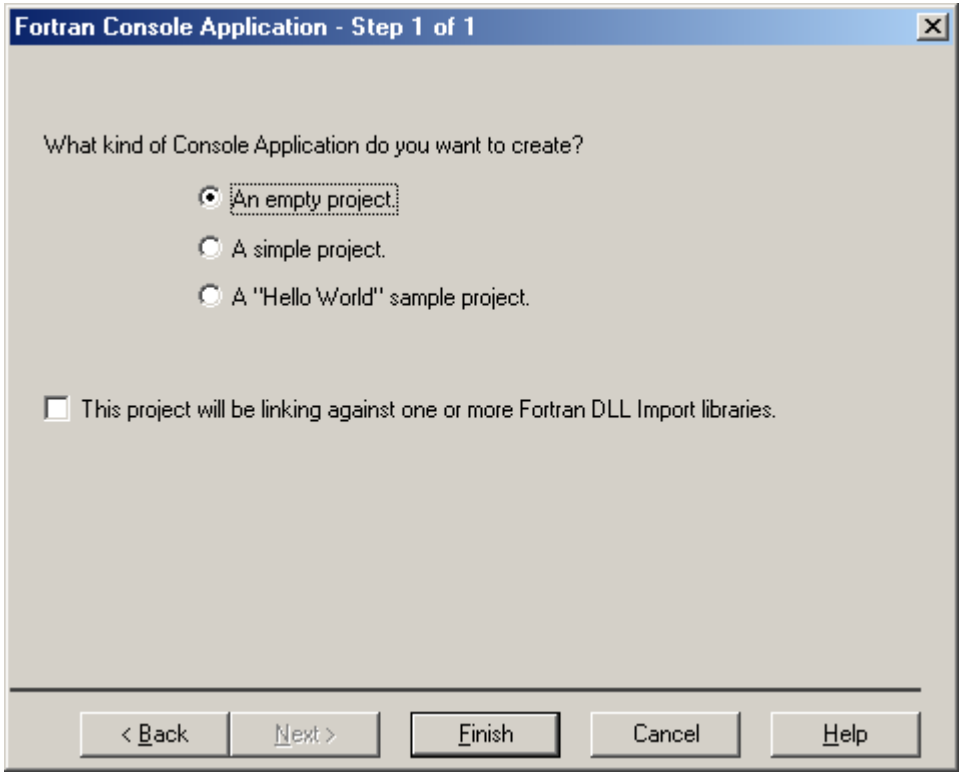
Select File -> new

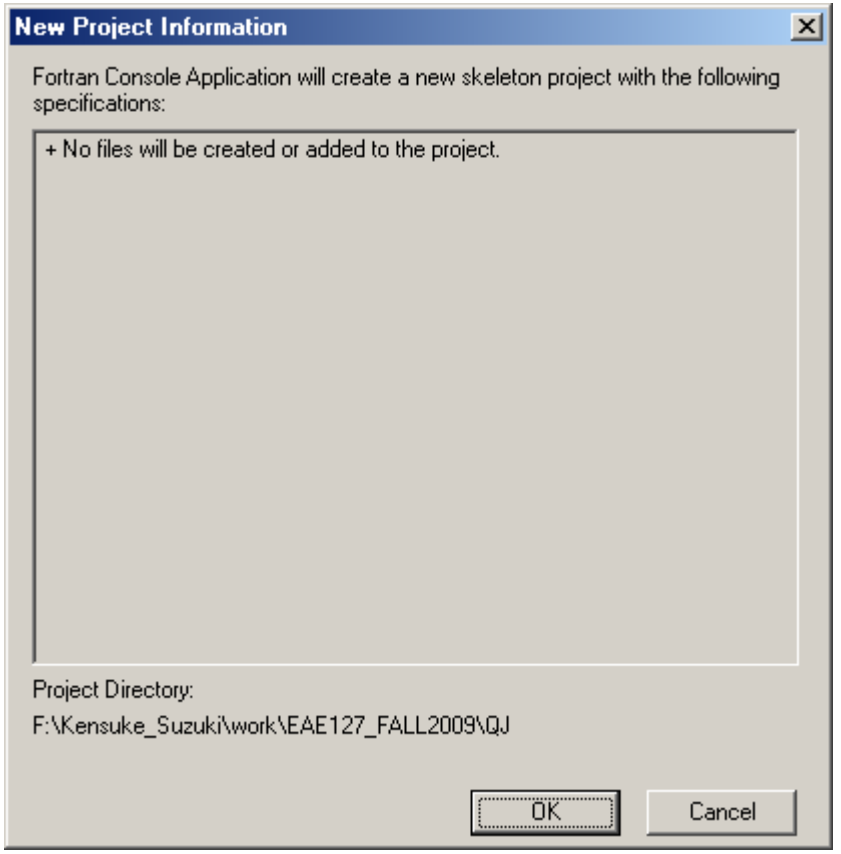


Select Fortran Console Application: Specify location and project name then select OK



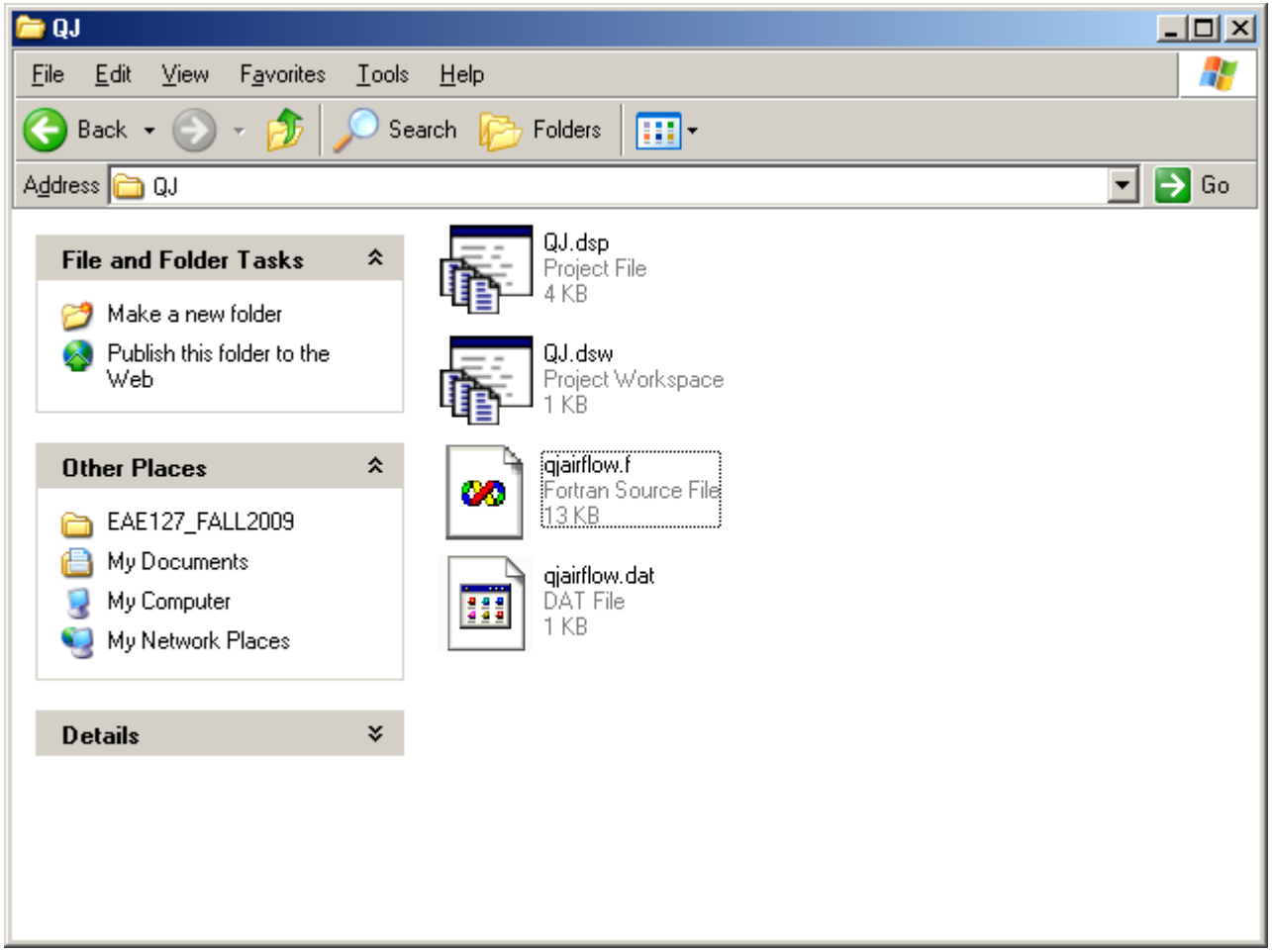
Select an empty project then select Finish, OK for the new project information



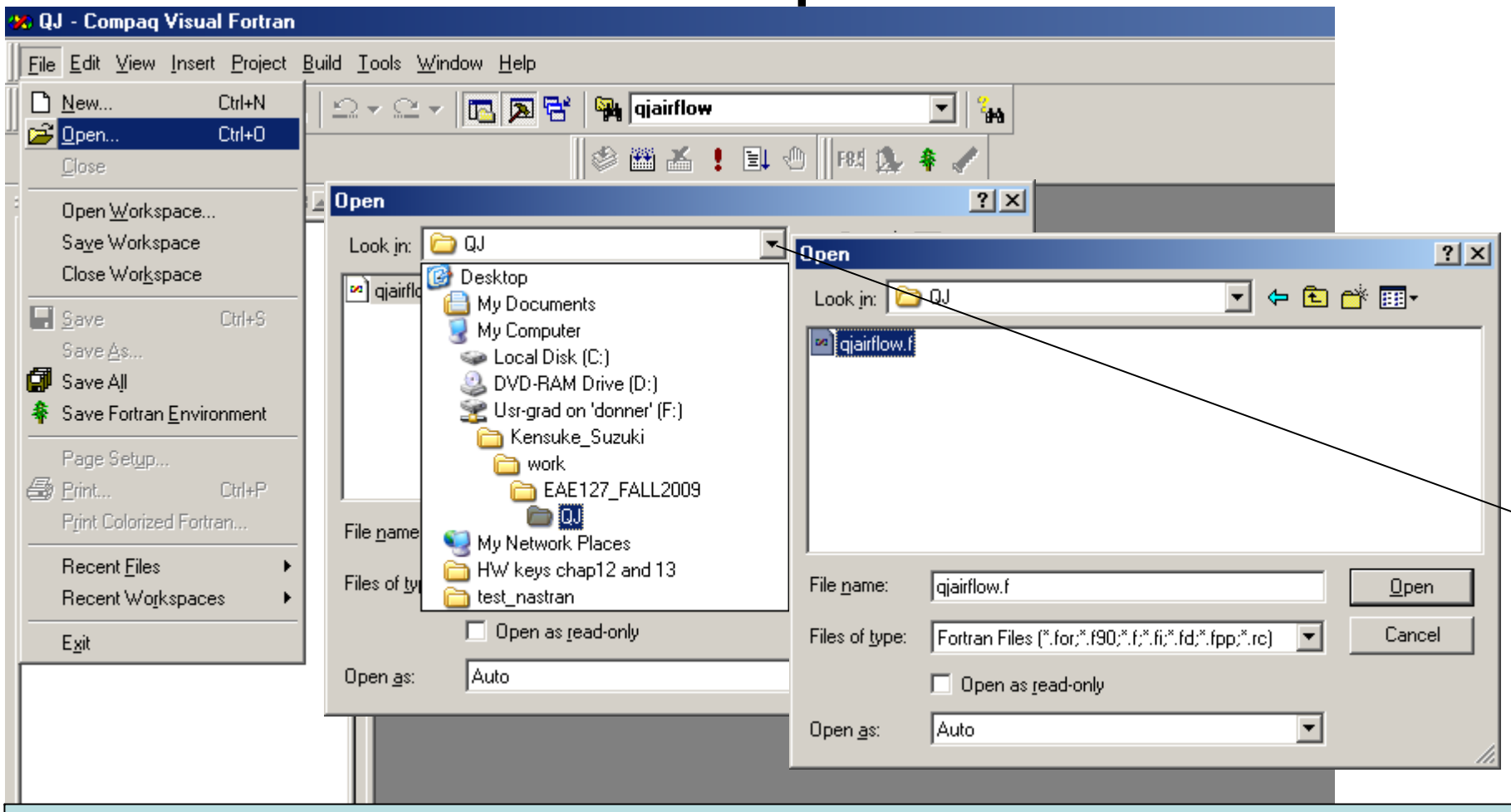


The project folder generated in the location.

Put qjairflow.f and qjairflow.dat in the created folder

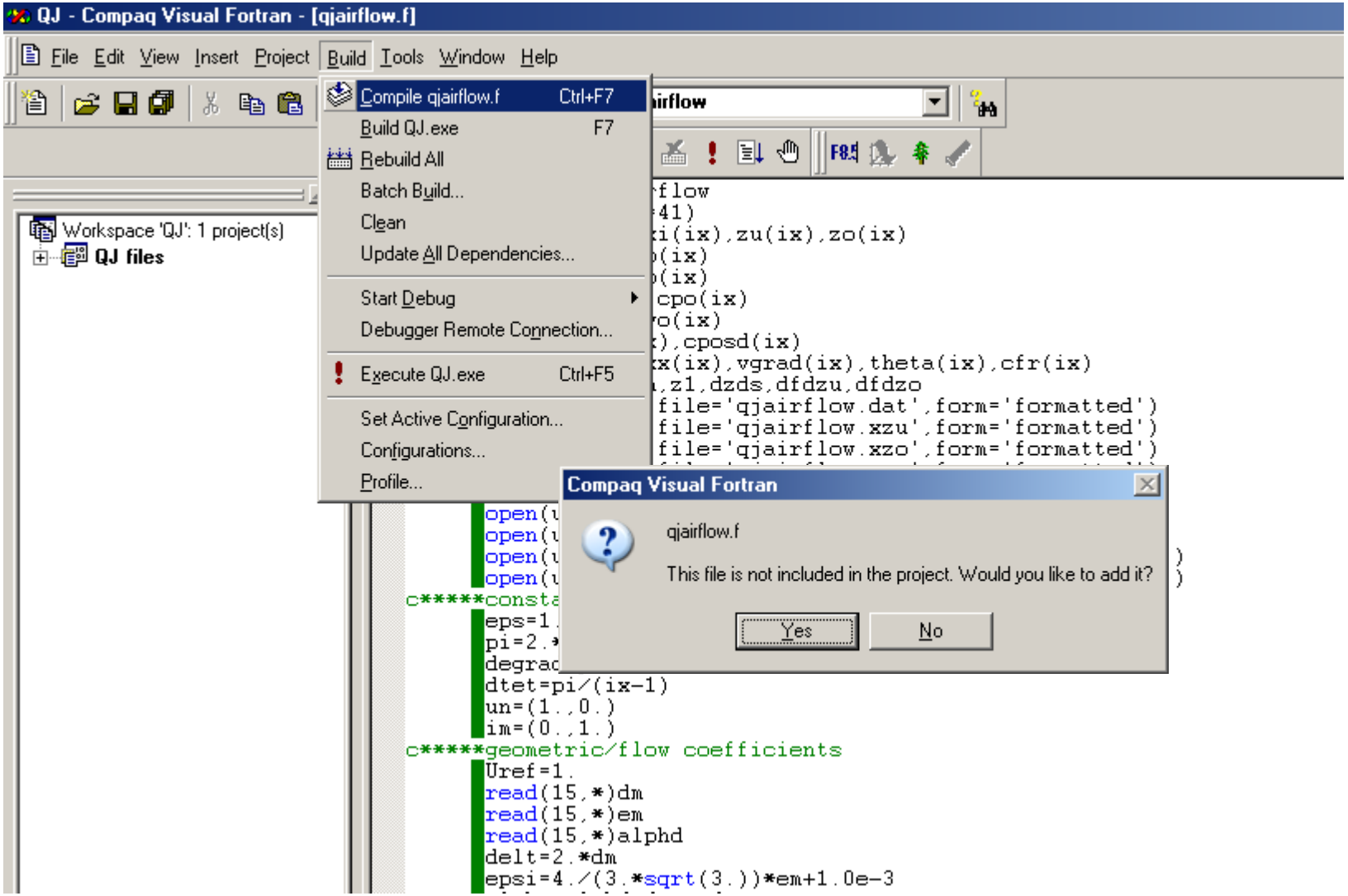


File Open, select the Fortran file then open it.

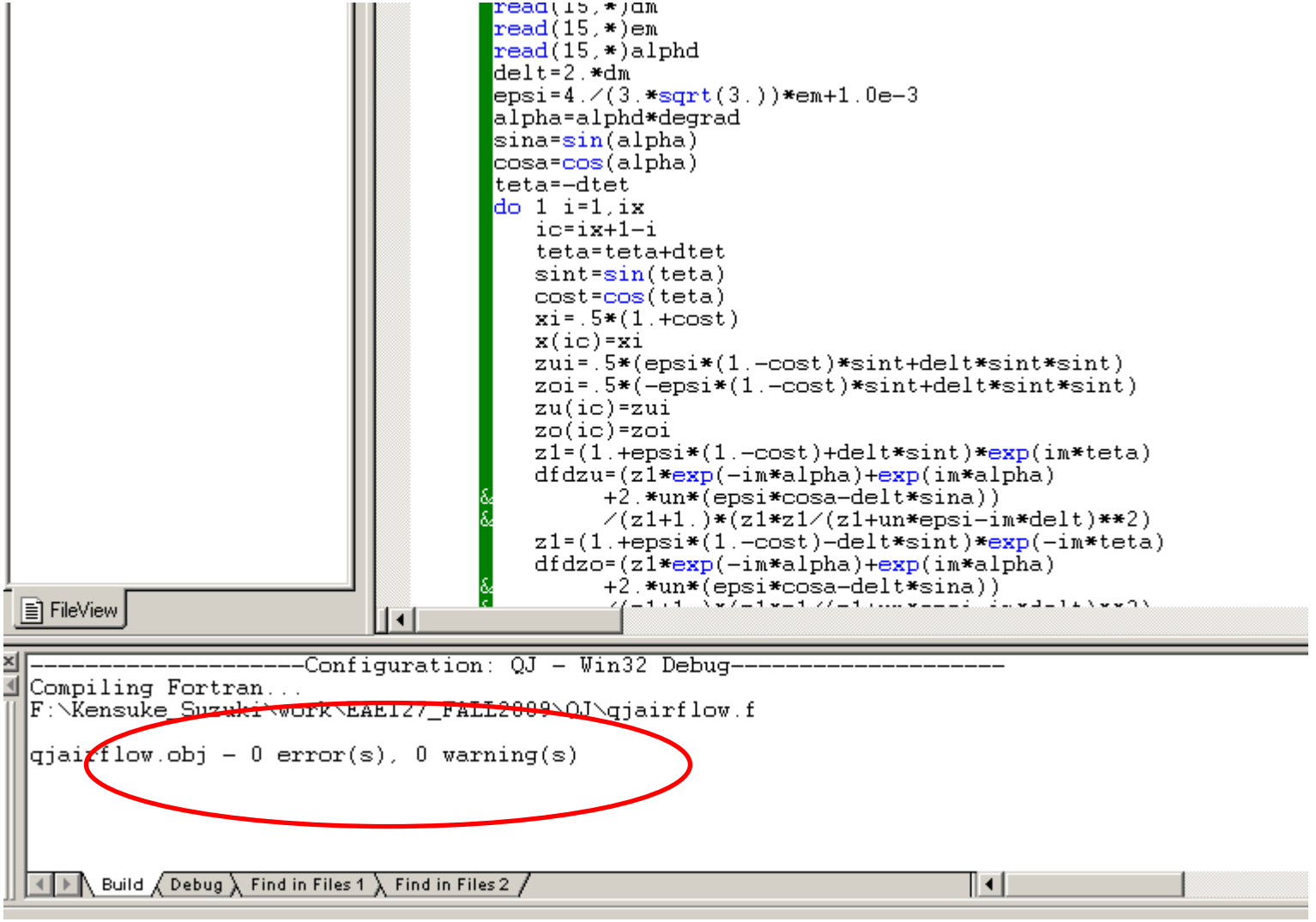


Note: When you open the folder, sometimes an old folder is automatically opened. If the filename is the same, this causes a mistake. Please specify the correct folder to open the file.

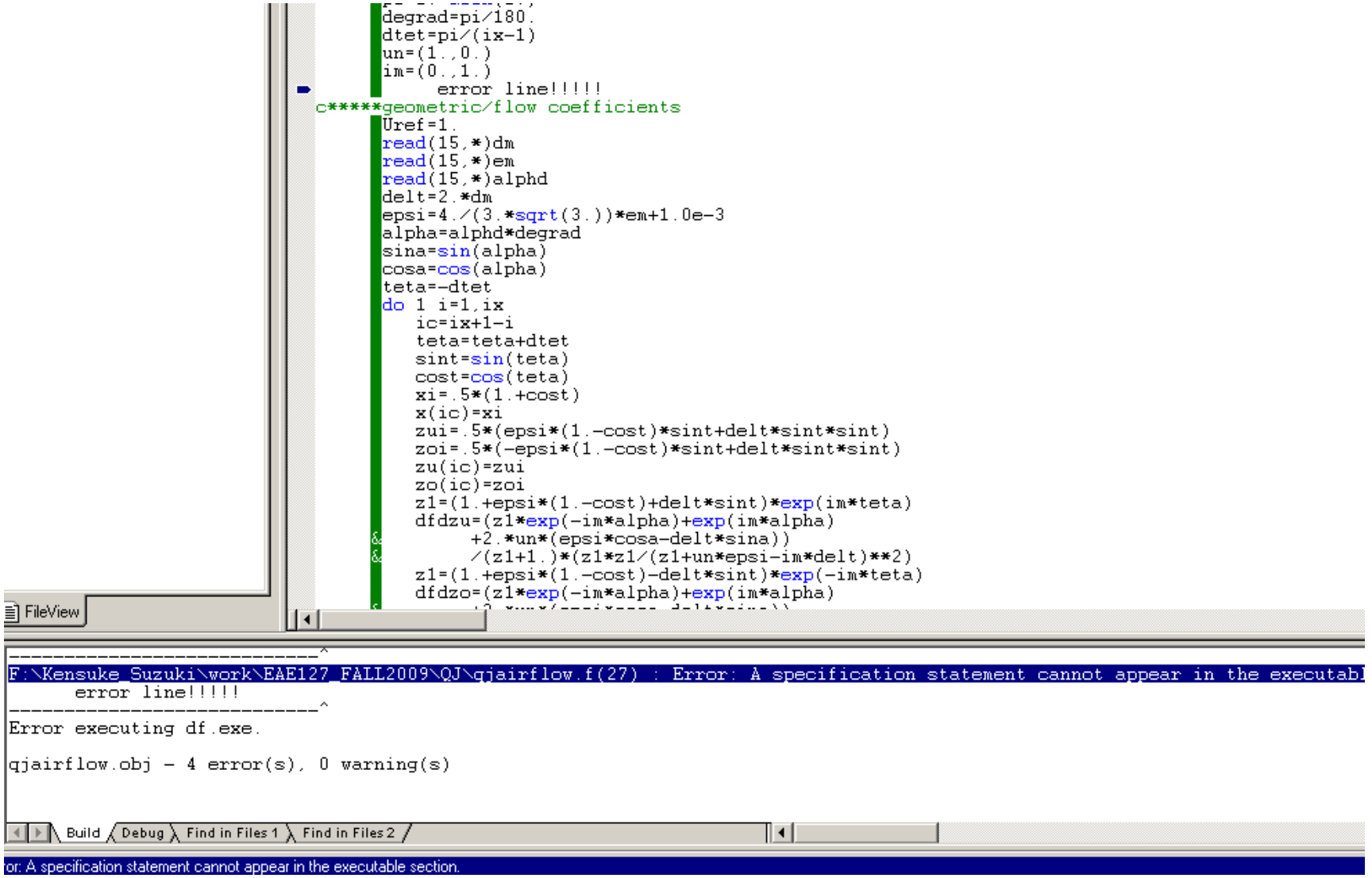
To compile:
Build -> Compile qjairflow.f
-> Yes to add the file



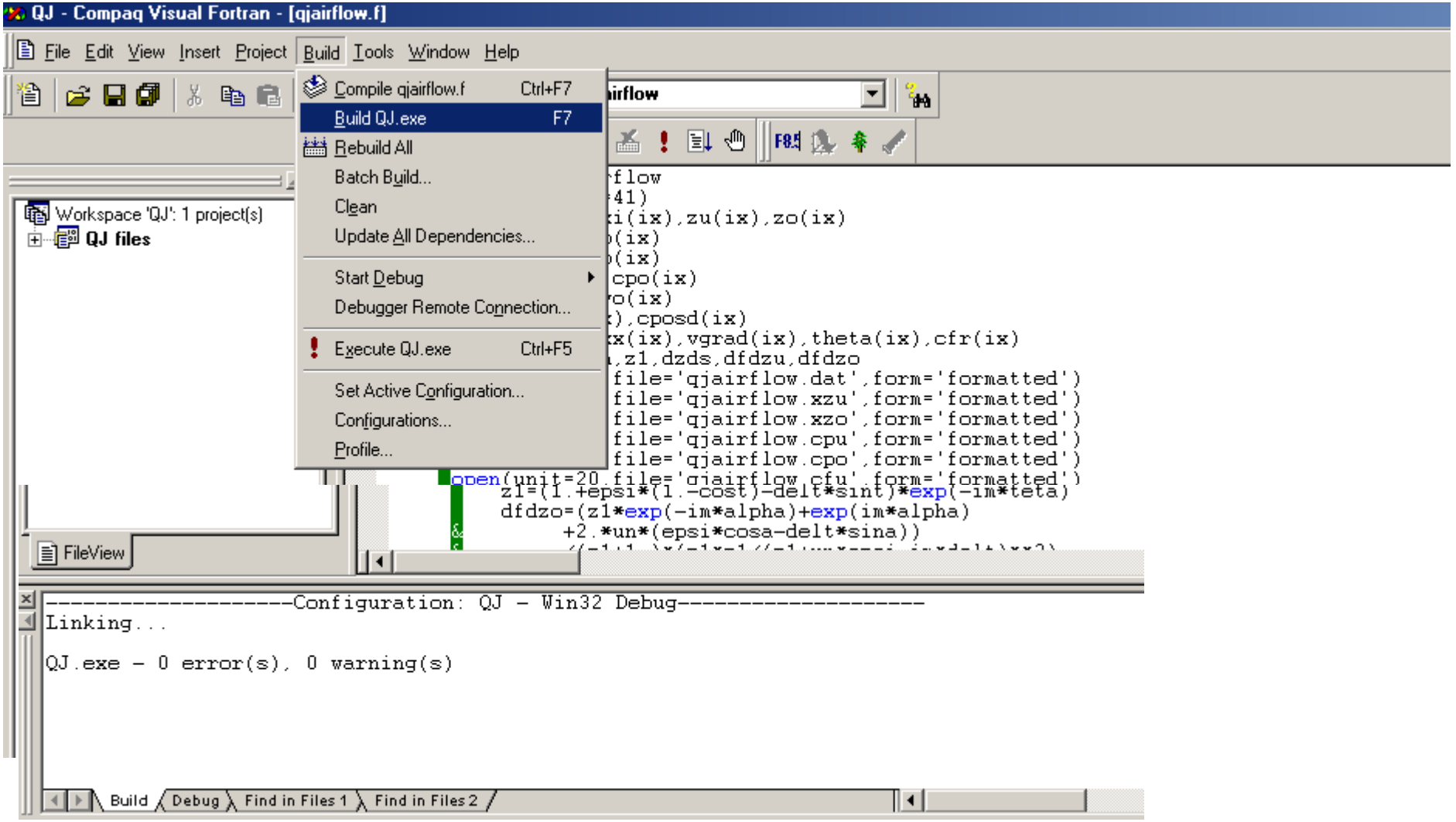
If there is no error, it is compiled.



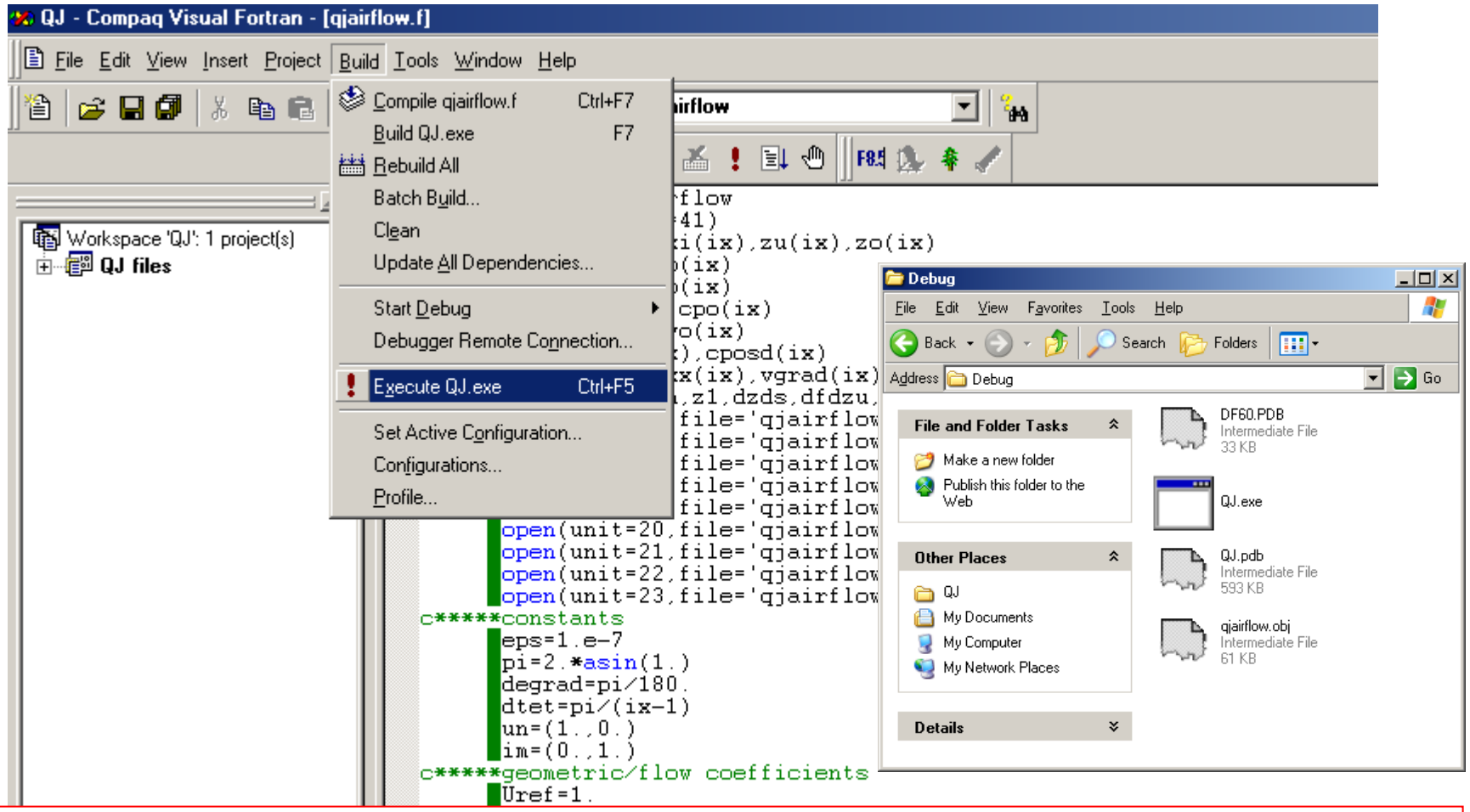
If there are errors, see the error message in the bottom. Double click the error message. An allow tells the line.



After compiled without error, build exe file: if there is no error, exe file is made

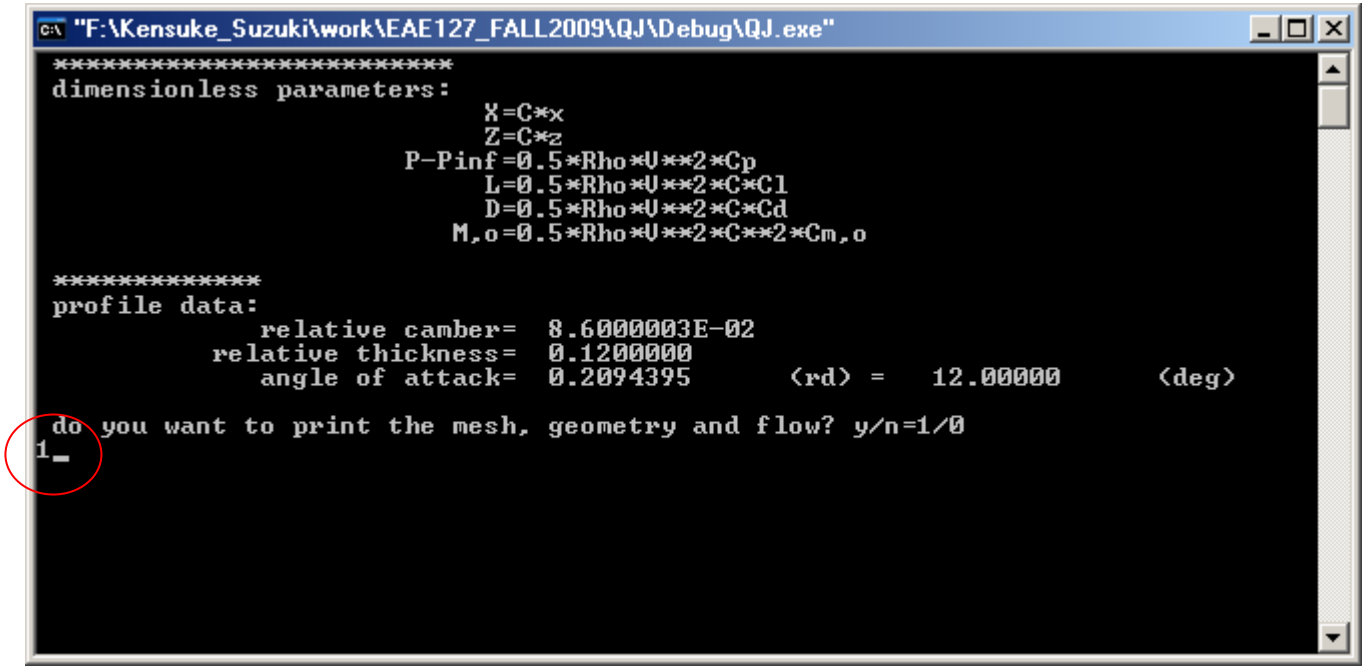


Finally, execute the file.



Note: the data file qjairflow.dat must be in the same folder as the qjairflow.f. The ‘Execute QJ.exe’ refers the exe file in the sub-folder, Debug; you can copy this file to different folders and use it by ‘double click’ to run if you want.

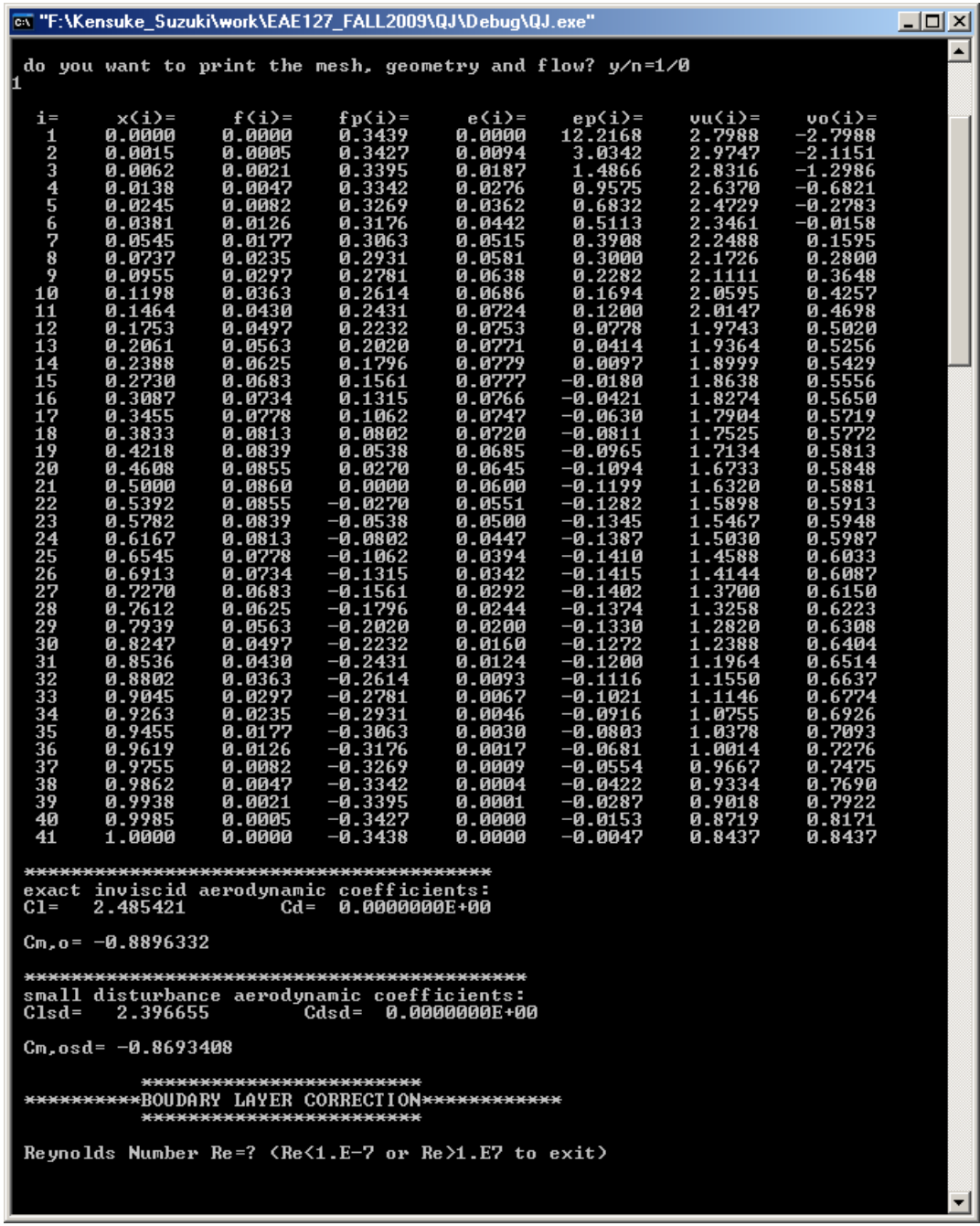
For geometry question, you can type 0 or 1 to display or not.



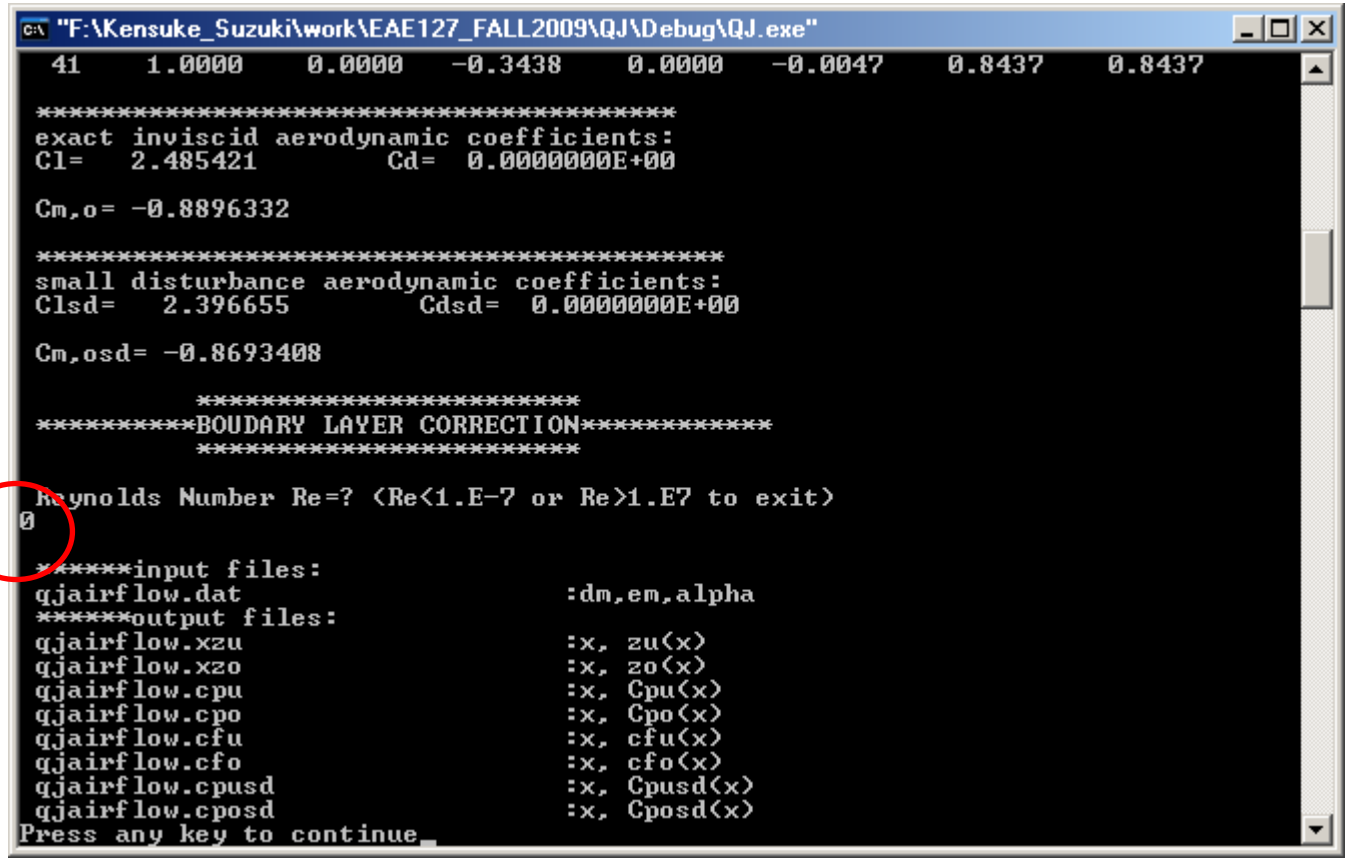
For example, type 1 and push Enter key.

Geometry data is displayed.

Calculated Cl, Cd, Cm,0 for the exact inviscid solution and Clsd, Cdsd, Cm,0sd for the small disturbance approximation are displayed.



For inviscid model, put Reynolds Number 0 and push Enter key. Then output files are created in the same folder. Then press any key to close the window.



Once you created the Fortran workspace, you can open ‘workspace’.