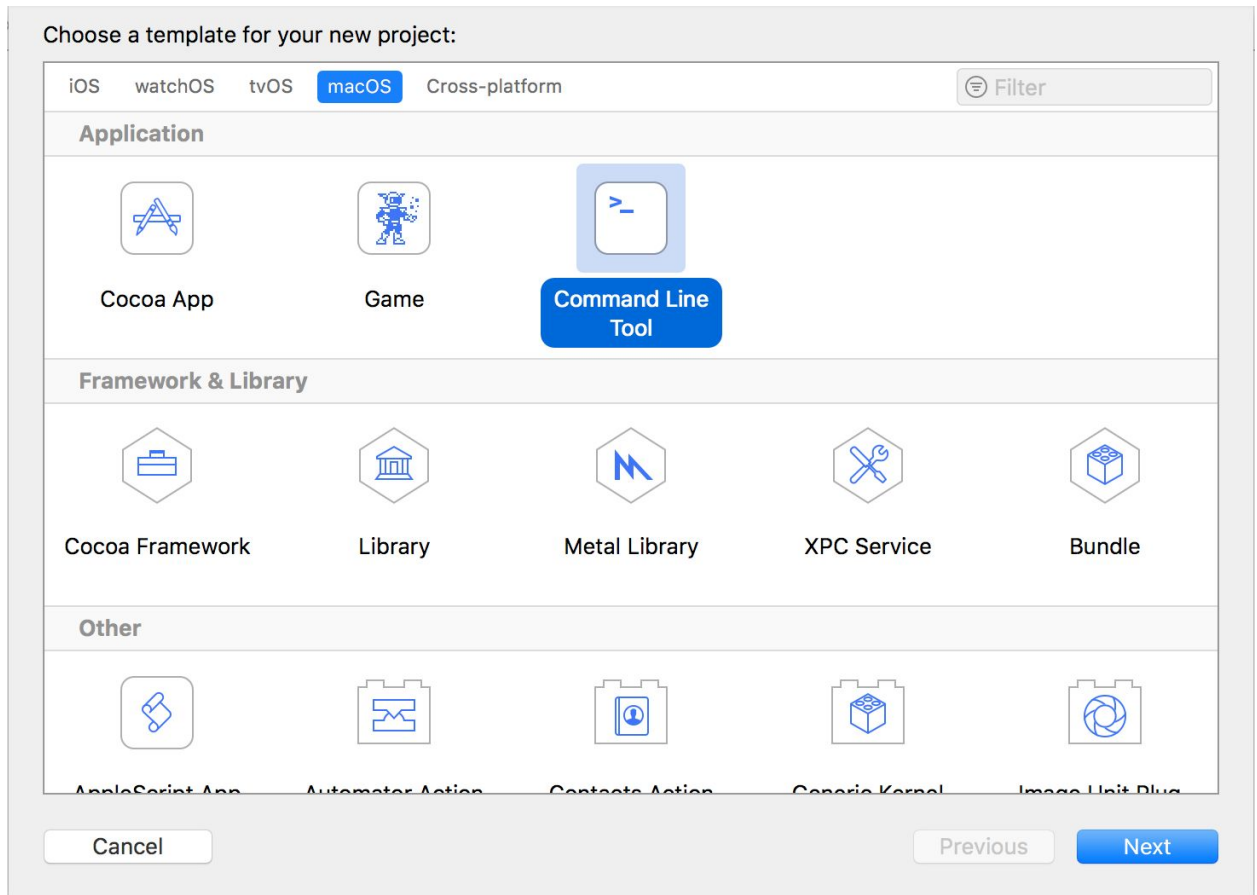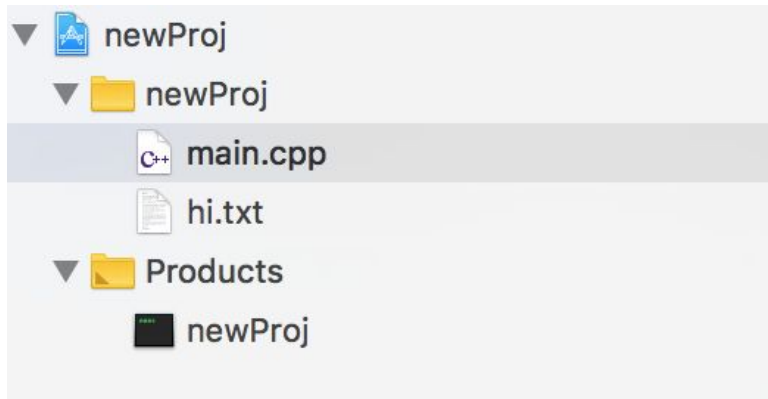# 1. Xcode setting

To create project:

Choose Empty Project, and then choose Command Line Tool

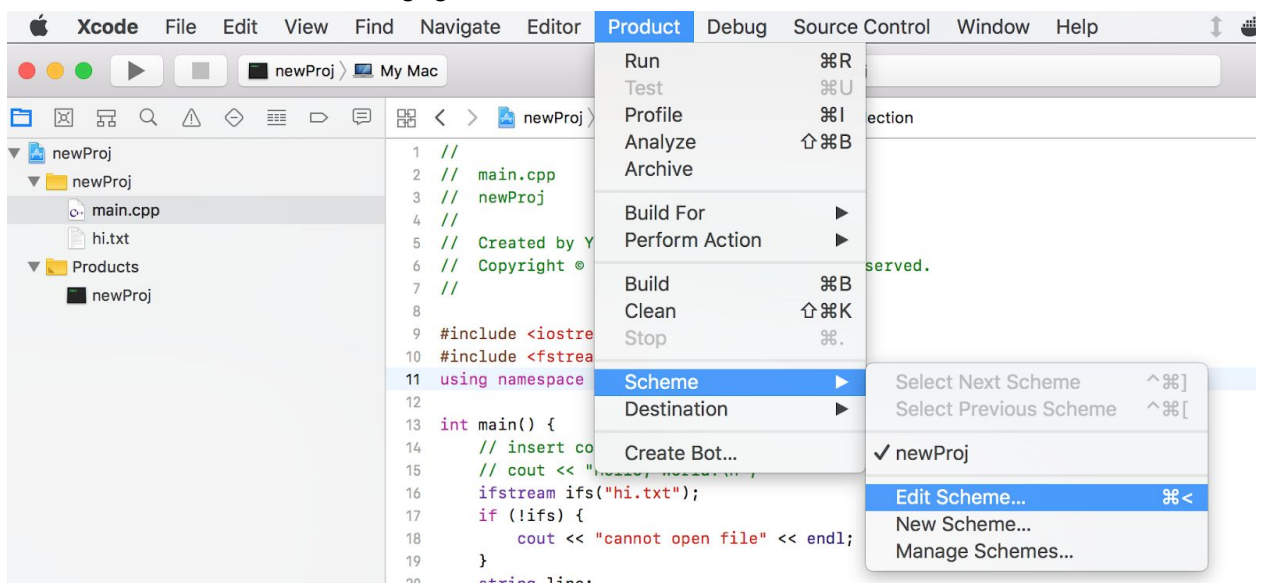## To open file with fstream in relative path style:

Suppose file structure is like this

Suppose a ifstream of hi.txt is created like this way

```cpp
ifstream ifs("hi.txt");
```

To access the file without failing, go to Product -> Scheme -> Edit Scheme

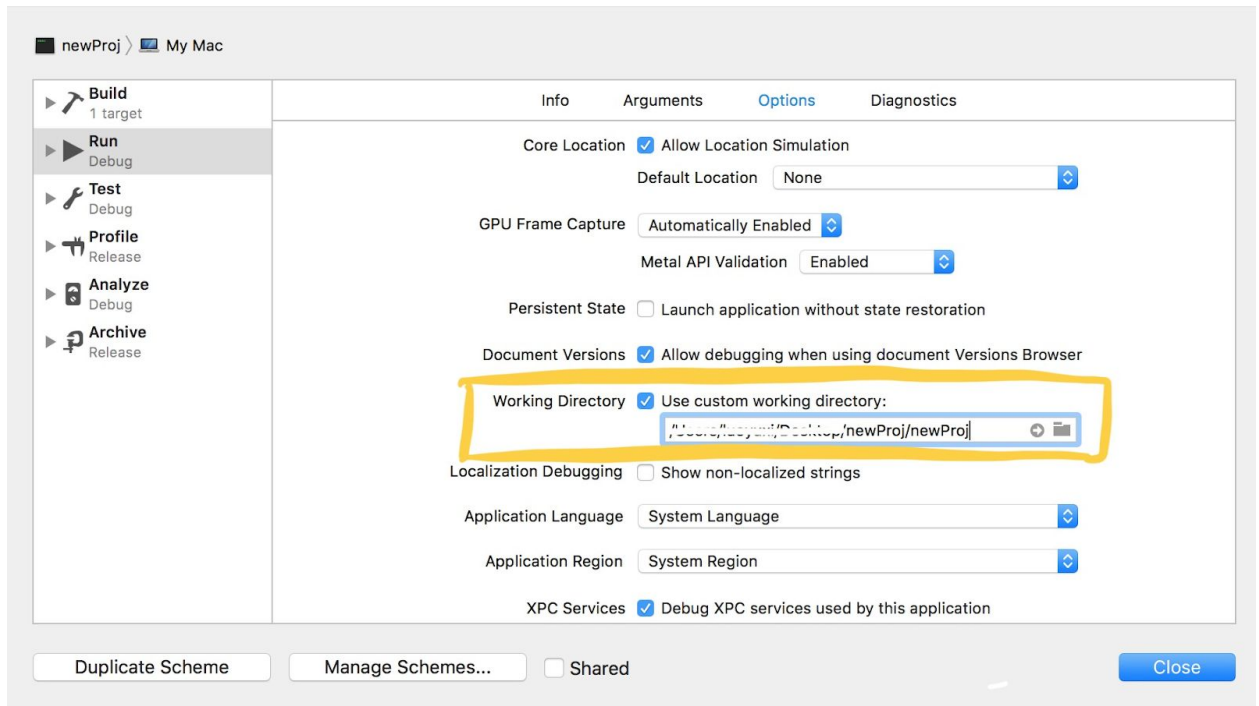
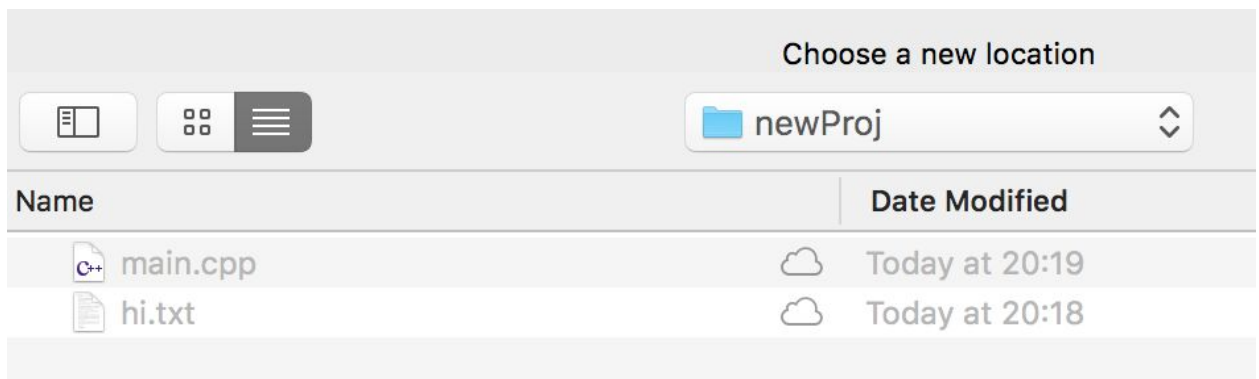Select Run on the left menu, and then Options tab on the top
In the Working Directory section:
      Check Use custom working directory
      Select your current project folder
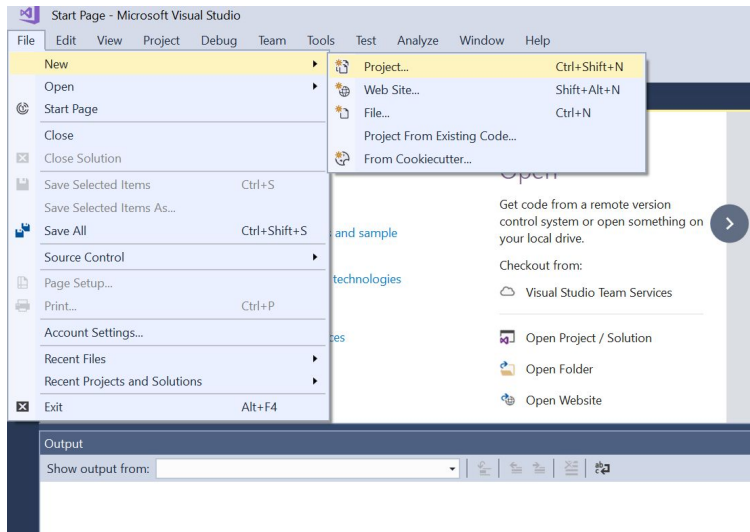
(suppose the project folder is like this)

Then the file will be loaded correctly
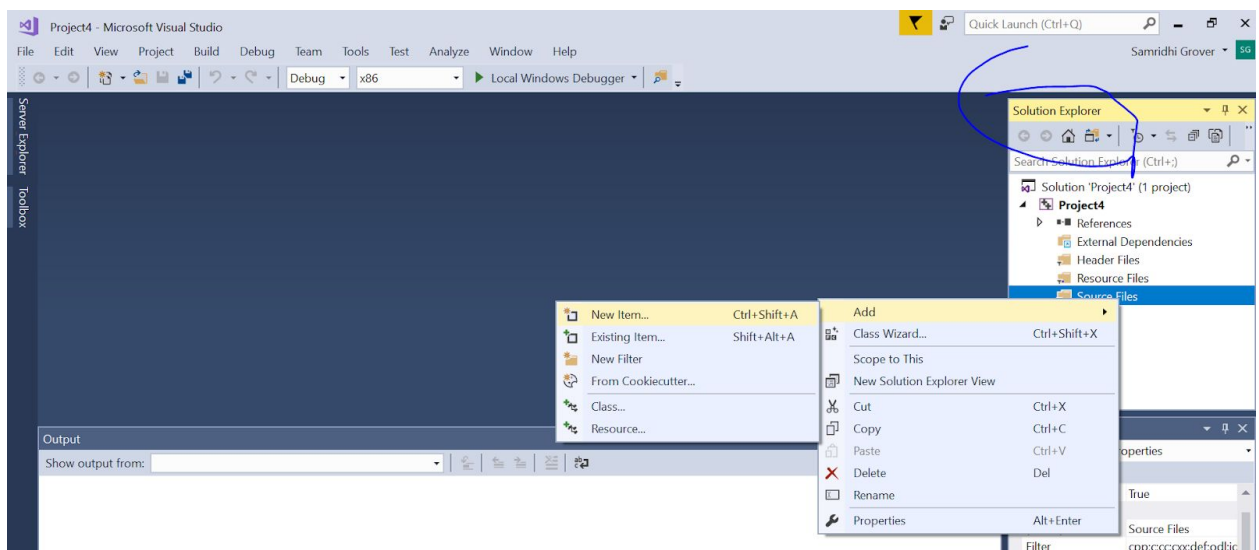
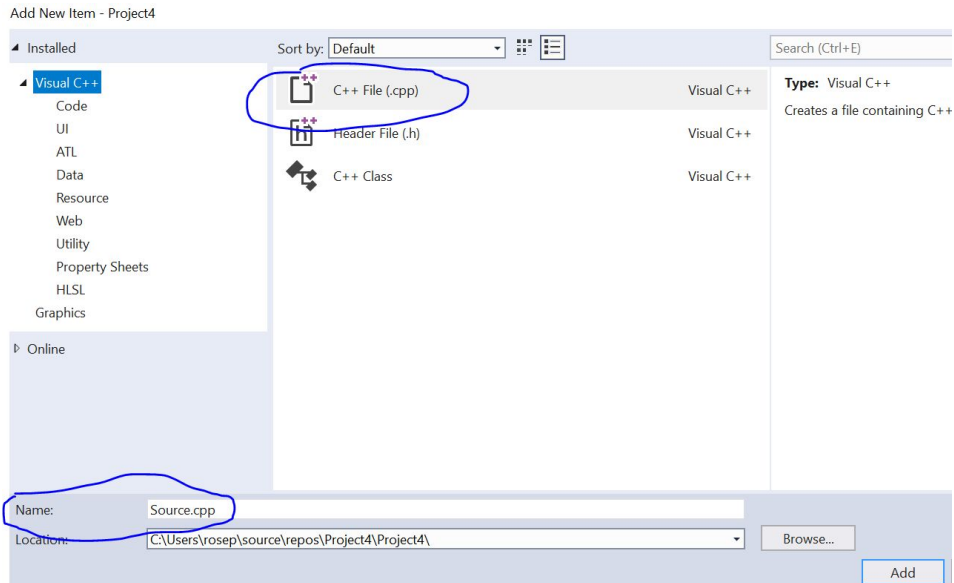## 2. Visual Studio

To create project:

Go to File>New>Project. Create an empty project and name it.

To create a cpp file to write your code in, go to Solution explorer and right click on Source files. Click Add>New Item.

Then select C++ File and name it appropriately.

Notes:

In Visual Studios you cannot run a cpp file that is not in a project.

To open a project after creation, double click on the .sln file where your project is located.
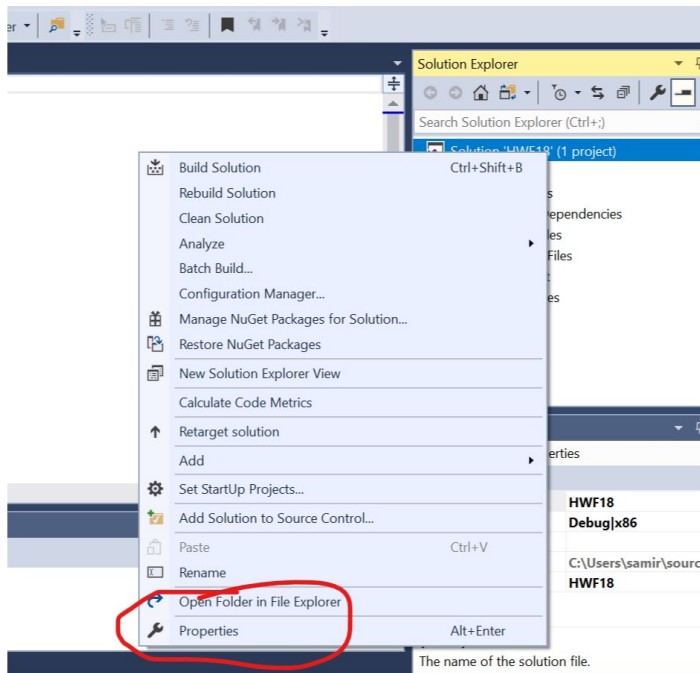
Solution Explorer Not Visible:

Go to the View tab and select Solution Explorer

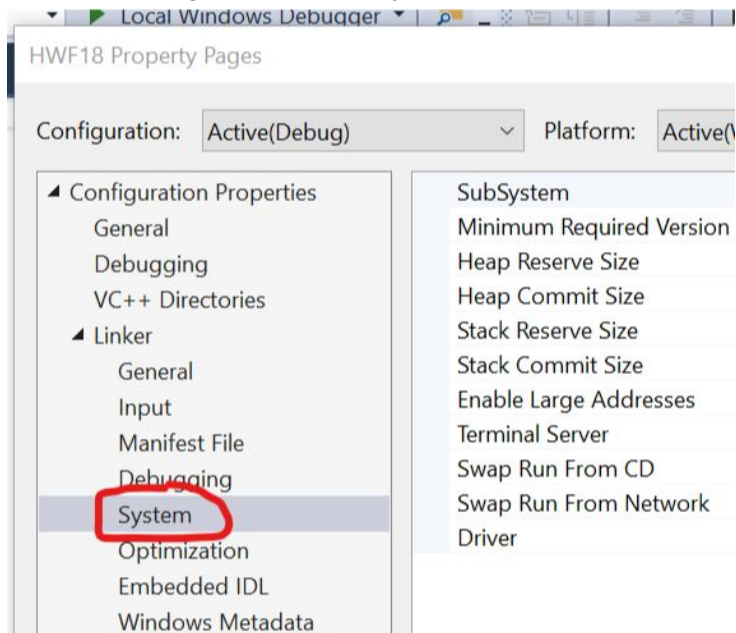## Console Not Staying Open:

TLDR:
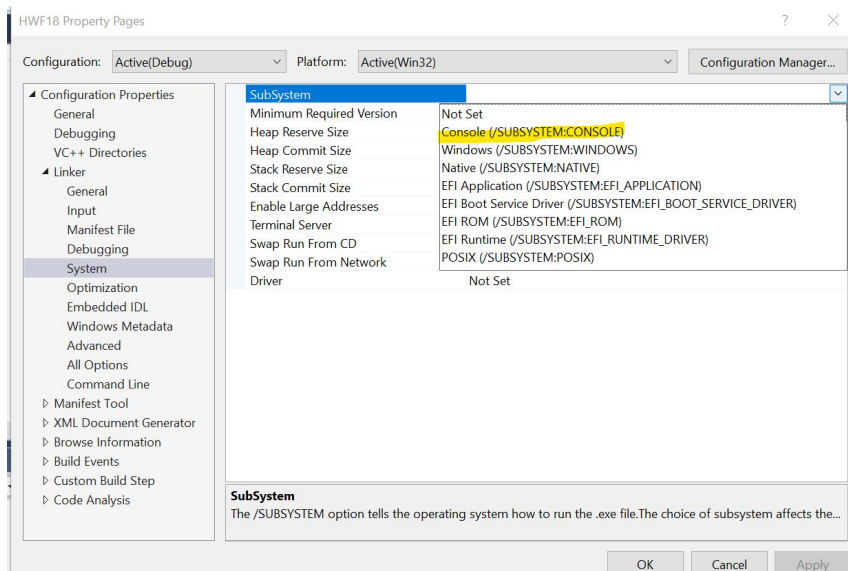Properties > Linker > System > Subsystem > Console

Many people will discover once running the program that their output window doesn't stay open. To make it stay, go back to Solution Explorer and right click on Solution "ProjectName" and select Properties:
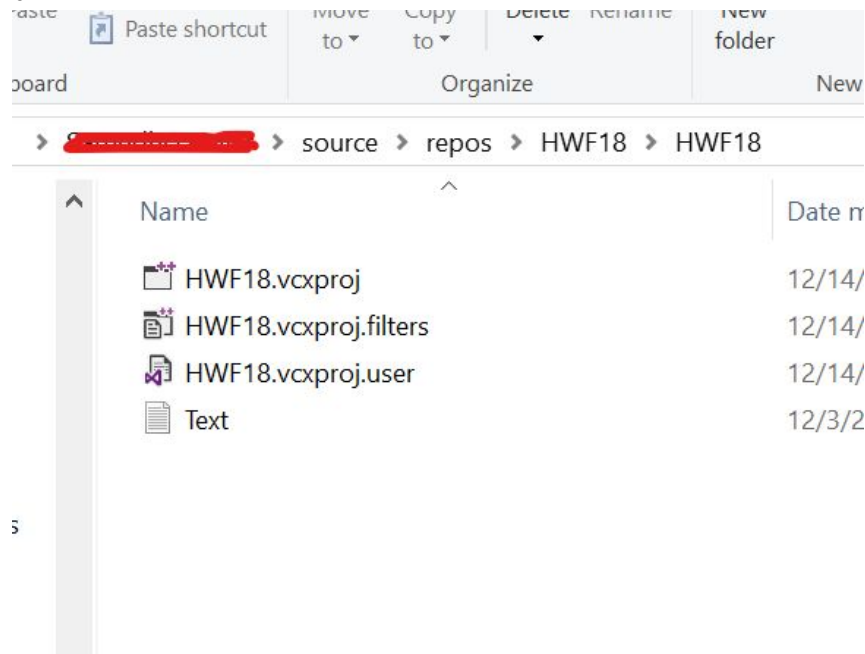
In Properties, go to Linker > System

In the dropdown menu in Subsystem, select **Console.**

Press ok to save the changes.

To open file with fstream in relative path style:

First save the text file you want to read from. This must be saved in the same location your project is saved.

For most people this should be enough to read the input, if you are still struggling, go back to Visual Studio and to Solution Explorer again. Now instead of adding a new Source file you will be adding a new Resource file.
Right Click on Resource Files and then Add>Existing Item.