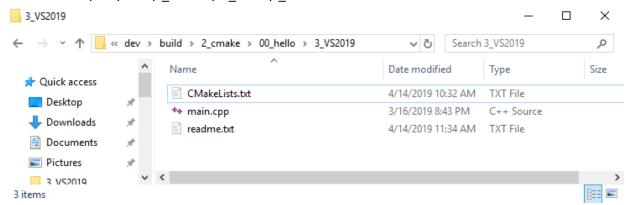
### **CMake Projects in VS**

https://docs.microsoft.com/en-us/cpp/build/cmake-projects-in-visual-studio?view=vs-2019

### **VS-2019 CMake Project Settings UI**

https://devblogs.microsoft.com/cppblog/introducing-the-new-cmake-project-settings-ui/

- Check CMake Version
   C:\> cmake --version
   cmake version 3.14.2
- Local directory-path :
  - o D:\dev\build\2\_cmake\00\_hello\3\_VS2019



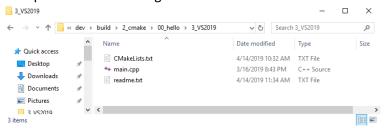
Contents of CMakeLists.txt:

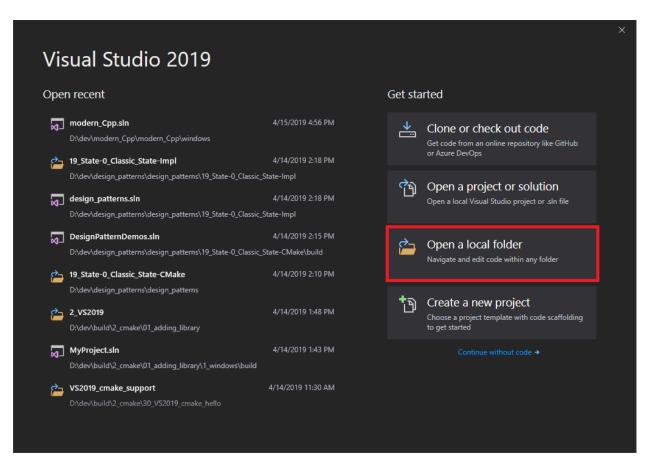
```
cmake_minimum_required(VERSION 3.10)
project(MyProject VERSION 1.0.0)
add executable(josh main.cpp)
```

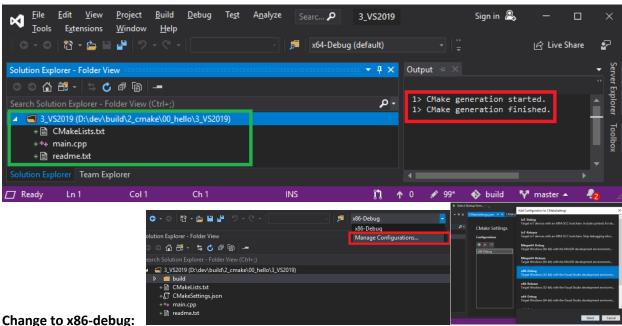
Contents of main.cpp

```
#include <iostream>
auto main() -> int
{
    std::cout << "Hello!\n";
    return(0);
}</pre>
```

Open folder containing the CMakeList.txt file.

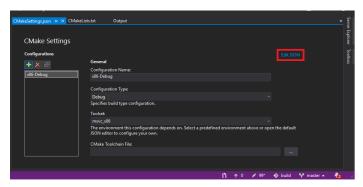






### Edit the JSON file:

https://docs.microsoft.com/en-us/cpp/build/configure-cmake-debugging-sessions?view=vs-2019

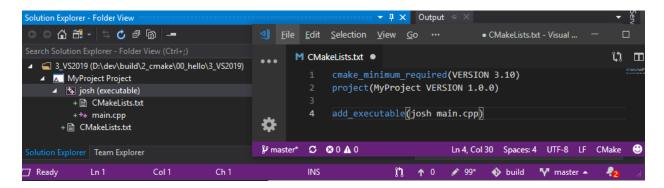


# Change the **buildRoot** and **installRoot**:

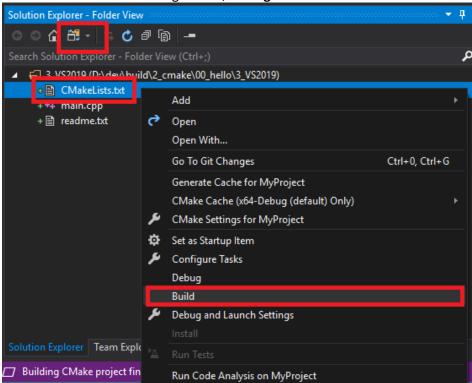
```
{
  "configurations": [
      {
          "name": "x86-Debug",
          "generator": "Ninja",
          "configurationType": "Debug",
          "buildRoot": "${workspaceRoot}\\build\\${name}",
          "installRoot": "${workspaceRoot}\\install\\${name}",
          "cmakeCommandArgs": "",
          "buildCommandArgs": "-v",
          "ctestCommandArgs": "",
          "inheritEnvironments": [ "msvc_x86" ],
          "variables": []
      }
    ]
}
```

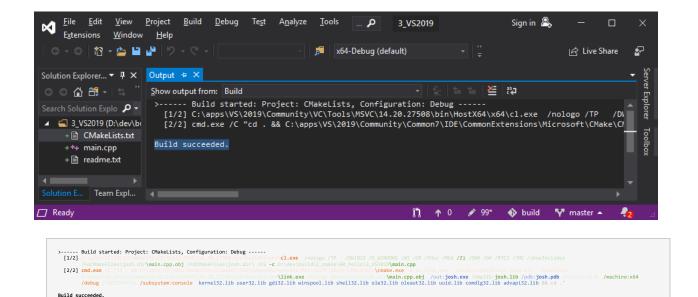
#### Go into CMake view:



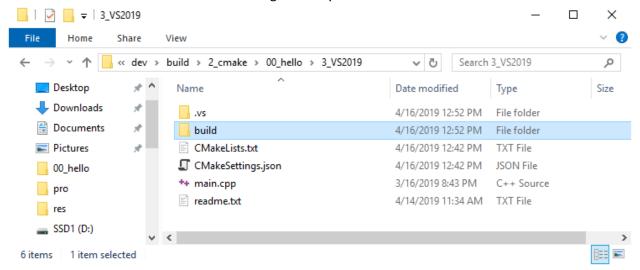


Go back into non-CMake Target view, and right-click the CMakeLists.txt file and select build.

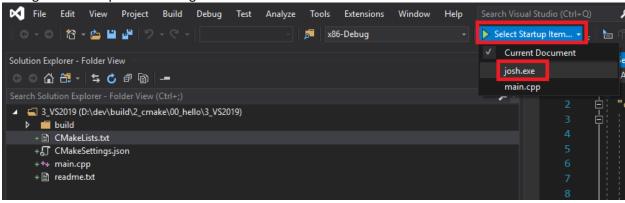




This will build the executable in the following directory:



Change the startup item to the generated executable:



## And run it.

