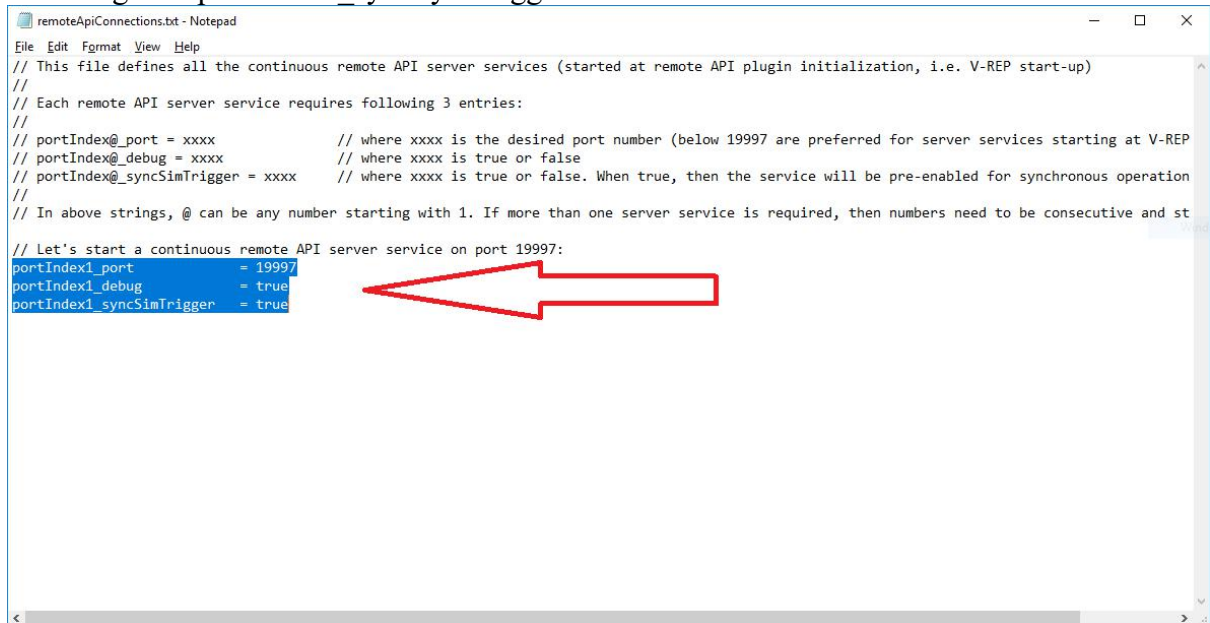


Task 0 – Testing Instructions

Follow these instructions to test the installations of your IDE and V-REP

- Open the folder in which V-REP is installed. For Windows, by default, this will be in, "C:\Program Files\V-REP3\V-REP_PRO_EDU"
- Open the file "remoteApiConnections.txt"
 - Note down the port number i.e. value of portIndex1_port.
 - Change the portIndex1_debug value to true.
 - Change the portIndex1_syncSymTrigger value to true.



```

remoteApiConnections.txt - Notepad
File Edit Format View Help
// This file defines all the continuous remote API server services (started at remote API plugin initialization, i.e. V-REP start-up)
//
// Each remote API server service requires following 3 entries:
//
// portIndex@_port = xxxx           // where xxxx is the desired port number (below 19997 are preferred for server services starting at V-REP)
// portIndex@_debug = xxxx          // where xxxx is true or false
// portIndex@_syncSimTrigger = xxxx // where xxxx is true or false. When true, then the service will be pre-enabled for synchronous operation
//
// In above strings, @ can be any number starting with 1. If more than one server service is required, then numbers need to be consecutive and st
//
// Let's start a continuous remote API server service on port 19997:
portIndex1_port = 19997
portIndex1_debug = true
portIndex1_syncSymTrigger = true
  
```

Figure 1:

- Start V-REP.
- Open the file "Task_0_NS_Project.sln" provided to you in the "Task_0_NS_VS_Project" folder.

- Go to Build and click on "Build Solution", alternatively you can press Ctrl+Shift+B. You should see that the Build has succeeded in the Output window near the bottom. Refer to Figure 2.

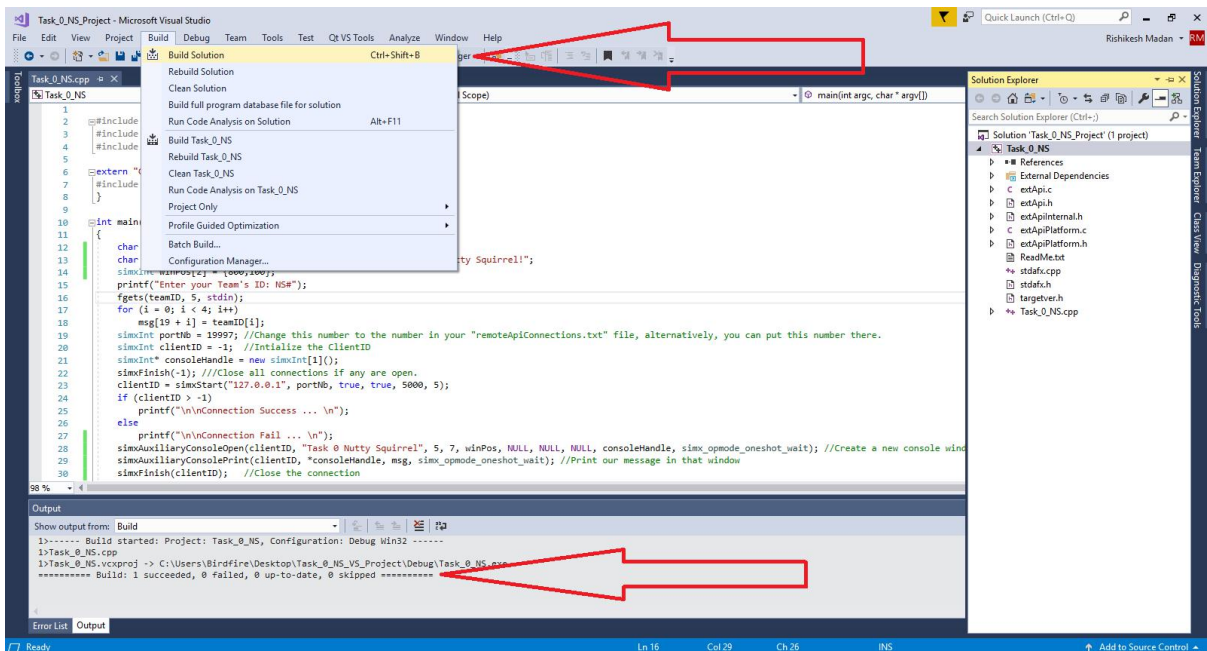


Figure 2: Building the Project

- After the build has finished, click on Start Local Debugger. Refer to Figure 3.

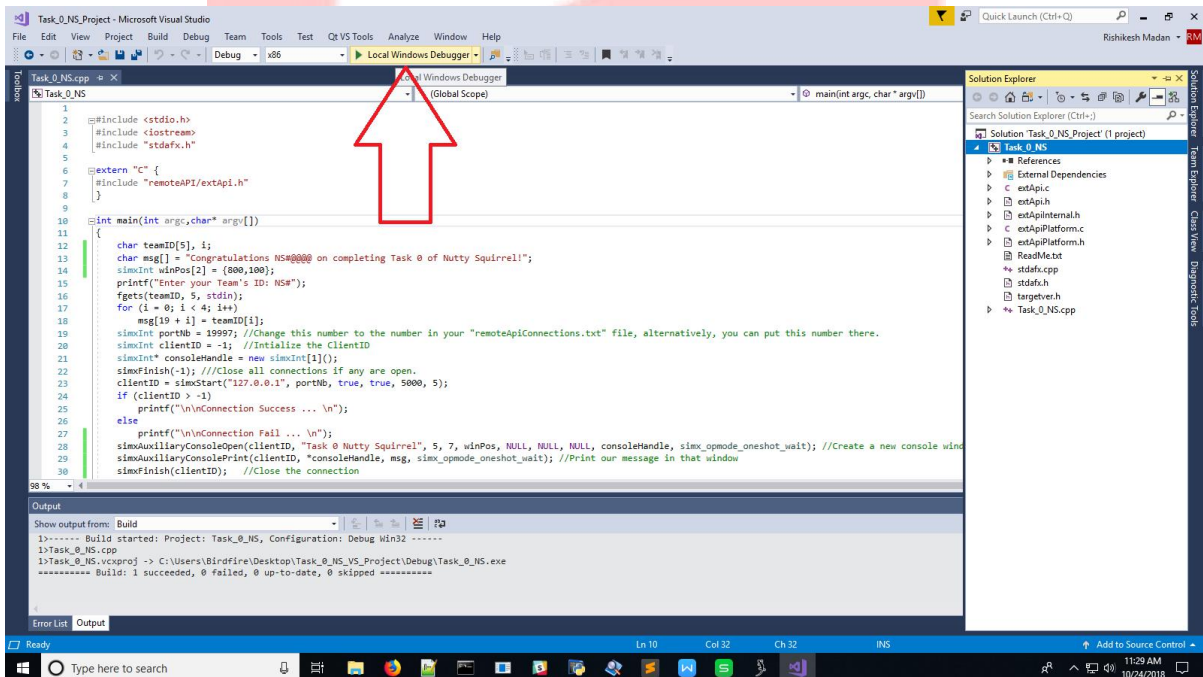


Figure 3: The Local Windows Debugger Button

- Alternatively you can go to the location, "Task_0_NS_VS_Project\Debug" and run the "Task_0_NS.exe" file.

- A console should now appear, in its prompt, enter your numerical team ID.



Figure 4: The Console Prompt

- Switch to V-Rep, you should see two dialog boxes, one with the connection information, and one with the message we sent earlier. Take a screenshot of these two along-with the Visual Studio Debug Console window. Refer to Figure 5 as to how your screenshot should look like.

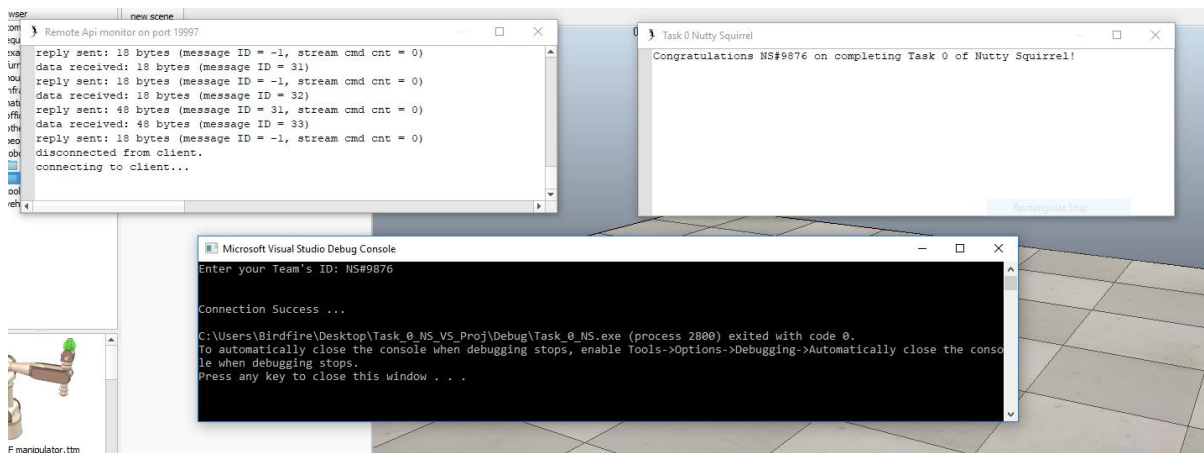


Figure 5: The Screenshot

Submission Instructions:

- Save the screenshot as **NS#****_Task_0.png** where **** is your Team ID. For example, if the Team ID is 12, save it as, **NS#0012_Task_0.png**.
- Upload this image on the portal.