1. Locate the Source Code
   * could be Generated from RoboDK or Written Manually
     + Code should resemble the following format:
       - **Joint** Angle  : MOVEX A=1, AC=0, SM=0, M1**J**, P,(J1 J2, J3, J4, J5, J6), R= 100, H=1, MS
       - **Pose** Values: MOVEX A=1, AC=0, SM=0, M1**X**, P, (X, Y, Z, Rot, Rot, Rot), R= 100, H=1, MS
   * File Name Format:
     + ST133TF1-A.001
       - -A
         * means this file contains the Source Code
       - 001
         * is the Program Number
         * can be between 1-9999
2. Connect to the Robot via FTP
   * **Connect to Netgear Modem**
   * FTP Details:
     + IP Address:
       - 192.169.1.110
     + Username:
       - radmin
     + Password:
       - Robotics5508
   * e.g. of Softwares:
     + Windows Explorer
       - Similar to an External USB Stick - Just copy and paste as usual.
       - Type in Address Bar:
         * **ftp://192.168.1.110**
     + FileZilla
       - Learn how to use
       - NEVER Double Click
       - Drag and Dropping Files is the BEST Method
3. Transfer File to PROGRAM Folder on Nachi
   * Use the FTP to Copy/Paste (Windows Explorer) or Drag/Drop (Filezilla) your Source File to the Destination Path
     + "**/PROGRAM**"
4. Go to
   * Navigate with **Up/Down Arrow Keys** then Press **Enter**
   * Utility Services (Bottom Left of the Screen) (**F6**)
   * Program Conversion (**#9**)
   * Language (**#8**)
5. Follow the Steps to Compile the Program:
   * Navigate with **Left/Right Arrow Keys** to move to Next Section (Progress to the next Step by Right Arrow Key)
   * Navigate with **Up/Down Arrow Keys** to move within a Section
   * Section 1: Select **Memory**
   * Section 2: Select "**Source --> EXE**"
   * Section 3: Select "PROGRAM" Folder
   * Section 4: Find and Select your Source Code - Remember the File Name: ST133TF1-A.001
   * Press "Execute" button to Compile (Bottom Right of the Screen) (**F12**)
6. Go back to the Home Screen by Pressing "RESET" button.
7. Press "**SHIFT**" (Green button) + "**PROG/STEP**" button to Select a Program
   * In this case "001"
8. To Test/Check your Code
   1. Hold **Dead Man Switch** (at the back of the Teach Pendent) + "**CHECK GO**" to go Forwards Line by Line
   2. Hold **Dead Man Switch** (at the back of the Teach Pendent) + "**CHECK BACK**" to go Backwards Line by Line
   3. Note: You have reached your desired Pose/Joint Angles when the Line changes colour to Yellow
9. To Run your Code follow the instructions in "Safety Procedures for Nachi Robot"