**How To Interface Arduino with LabVIEW**

**Steps:**

1. Open Arduino Software
2. Open LIFA\_base program in Arduino:
   1. Computer => Local Disk C => Program Files => National Instruments => LabVIEW 2012 => vi.lib => LabVIEW interface for Arduino => Firmware => LIFA\_base
3. Go to Tools menu and select board type i.e. Arduino / Genuino.
4. Now, verify the program if it has any errors
5. If there is no error, then upload that program in Arduino
6. As program uploaded to the Arduino, then the Arduino is now fully controlled by LabVIEW programs.
7. Open LabVIEW Software
8. Create blank VI and open it
9. Interface Arduino with LabVIEW through the following steps:
   1. Go to Tools menu in LabVIEW => Makerhub & Open LabVIEW makerhub wizard => Linx firmware wizard
10. Tools => Makerhub => Linx => Linx Firmware Wizard
11. Run the Wizard
    1. Select Device Name Family = Arduino
    2. Select Device Type = UNO
    3. Select Device Firmware Program Interface
12. Click Next
13. Now select the COM port of UNO e.g. COM3. Click Next.
14. Wait till uploading completed, then click finish & start enjoying programming in LabVIEW.