Download NIFI from <https://nifi.apache.org/download.html>

Select binary file eg: [nifi-1.11.3-bin.zip](https://www.apache.org/dyn/closer.lua?path=/nifi/1.11.3/nifi-1.11.3-bin.zip) [1.2 GB] ( [asc](https://downloads.apache.org/nifi/1.11.3/nifi-1.11.3-bin.zip.asc), [sha256](https://downloads.apache.org/nifi/1.11.3/nifi-1.11.3-bin.zip.sha256), [sha512](https://downloads.apache.org/nifi/1.11.3/nifi-1.11.3-bin.zip.sha512) )

In terminal go to the location where NIFI has been downloaded and move into nifi.1.10.1.bin

Then move into nifi.1.10.1 then move into bin folder

And execute “run-nifi.bat”

It takes few minutes to start in mean time start cache server

To start cache

First you need to download and install memchache for python from <https://pypi.org/project/python-memcached/>

In terminal direct to location where Memcached have been installed and execute

“memcached.exe -vv “

In another new terminal execute

“telnet localhost 11211”

Now go to localhost:8080 to view NIFI

In an empty canvas drag and drop all the processors we need and connect them logically and configure each processor in such a way shown in screen shots

And start all the processors

//now NIFI is ready to consume data and check with database with the help of cache//

To send data to NIFI

We use Arduino ide to send data from sensor to NIFI to the port 7001

In Arduino ide the username , password of WIFI and IP address should be modified to our credentials and execute it

//now our sensor is transmitting its real time data to NIFI (data collector)