configure\_edison –wifi

In vi use Shift + Insert to paste

<http://edison.local> – To access the Edison from PC

Setup ssh over Intel Edison

Get the IP from the above address and use it in WinSCP to access Edison files

COM4 115200

Use poweroff to shut it down

Sainsmart raw code for LCD

https://software.intel.com/en-us/iot/hardware/sensors/sainsmart-lcd-keypad-shield

import time, sys, signal, atexit

import pyupm\_i2clcd as sainsmartObj

## Exit handlers ##

# This stops python from printing a stacktrace when you hit control-C

def SIGINTHandler(signum, frame):

raise SystemExit

# This function lets you run code on exit,

# including functions from ringCoder

def exitHandler():

print "Exiting"

sys.exit(0)

# Register exit handlers

atexit.register(exitHandler)

signal.signal(signal.SIGINT, SIGINTHandler)

# Instantiate a Sainsmart LCD Keypad Shield using default pins

lcd = sainsmartObj.SAINSMARTKS()

lcd.setCursor(0,0)

lcd.write("Sainsmart KS")

lcd.setCursor(1,2)

lcd.write("Hello World")

# output current key value every second.

while(1):

print "Button value: ", lcd.getRawKeyValue()

time.sleep(1)

Try this to play around with the display (LCD Keypad Shield)

We had to fetch the substring from the log generated by the rtl dump

More on substrings in python

<http://stackoverflow.com/questions/663171/is-there-a-way-to-substring-a-string-in-python>

More on detecting new line in python

<http://stackoverflow.com/questions/5193811/how-can-i-check-for-a-new-line-in-string-in-python-3-x>

More on search for string in txt

<http://stackoverflow.com/questions/4940032/search-for-string-in-txt-file-python>

SetCursor(row,col)

Debugging the Nokia Display to work

<https://github.com/intel-iot-devkit/mraa/issues/353>

<https://github.com/adafruit/Adafruit_Nokia_LCD/issues/7>

https://github.com/adafruit/Adafruit-Raspberry-Pi-Python-Code/issues/120

<https://github.com/nioinnovation/Adafruit_Python_GPIO/blob/master/setup.py>

<https://communities.intel.com/thread/77015?start=0&tstart=0>

https://github.com/adafruit/Adafruit\_Python\_CharLCD

Repo for SDR

<https://github.com/steve-m/librtlsdr>

<https://github.com/MalcolmRobb>

after you set script.sh to an executable with chmod +x /etc/init.d/script.sh then you need to update the rc daemon using

update-rc.d script.sh defaults

#!/bin/bash

echo "FLIGHT DETECTOR ALL SET TO RUN. HERE WE GO"

/home/Project/./script.sh

https://communities.intel.com/thread/57555?tstart=0

Create a ~/.asoundrc file and add the following line to configure the headset:

pcm.!default sysdefault:Headset

<https://github.com/drejkim/led-speech-edison>

http://www.alsa-project.org/main/index.php/Asoundrc

os.system

import time, sys, signal, atexit

import pyupm\_i2clcd as sainsmartObj

## Exit handlers ##

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raise SystemExit

# This function lets you run code on exit,

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#def exitHandler():

# print "Exiting"

# sys.exit(0)

# Register exit handlers

#atexit.register(exitHandler)

signal.signal(signal.SIGINT, SIGINTHandler)

# Instantiate a Sainsmart LCD Keypad Shield using default pins

lcd = sainsmartObj.SAINSMARTKS()

lcd.clear()

lcd.setCursor(0,0)

lcd.write("Interecepted Jet")

f = file('y.txt')

try:

lcd.setCursor(1,0)

for line in f:

if "Aircraft Identification : " in line:

print line[38:]

lcd.write(line[38:45])

break

except:

print "End"