```
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 23:03:10) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> import time
import sys
import ibmiotf.application
import ibmiotf.device
import random
import json
from qtts import qTTS
import os
#Provide your IBM Watson Device Credentials
organization = "1zqjlv"
deviceType = "iotdevice"
deviceId = "1001"
authMethod = "token"
authToken = "1234567890"
# Initialize the device client.
T=0
H=0
S=0
def myCommandCallback(cmd):
       print("Command received: %s" % cmd.data['command'])
     if cmd.data['command'] == 'feed':
               print ("FEED")
     if cmd.data['command'] == 'feedon':
               text="feeding device is activated"
               language='en'
               output=gTTS(text=text, lang=language,slow=False)
               output.save("feedon.mp3")
               os.system("start feedon.mp3")
     if cmd.data['command'] == 'feedoff':
               text="feeding device is diactivated"
               language='en'
               output=gTTS(text=text, lang=language,slow=False)
               output.save("feedoff.mp3")
               os.system("start feedoff.mp3")
```

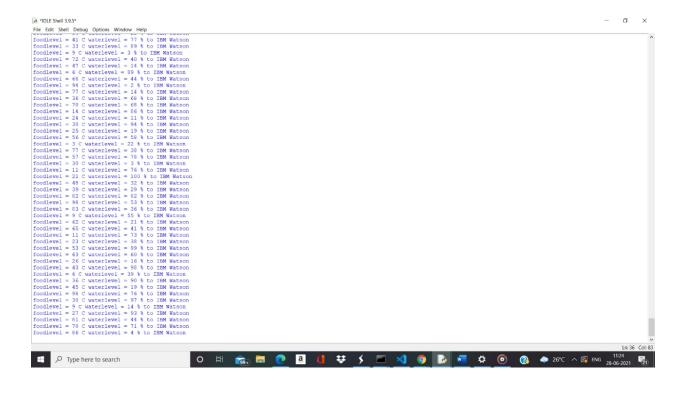
```
if cmd.command == "setInterval":
               if 'interval' not in cmd.data:
                      print("Error - command is missing required information: 'interval'")
                      interval = cmd.data['interval']
       elif cmd.command == "print":
               if 'message' not in cmd.data:
                      print("Error - command is missing required information: 'message'")
               else:
                       print(cmd.data['message'])
deviceOptions = {"org": organization, "type": deviceType, "id": deviceId, "auth-method": authMethod, "
auth-token": authToken}
deviceCli = ibmiotf.device.Client(deviceOptions)
#.....
except Exception as e:
print("Caught exception connecting device: %s" % str(e))
sys.exit()
# Connect and send a datapoint "hello" with value "world" into the cloud as an event of type "greeting
" 10 times
deviceCli.connect()
while True:
       T=random.randint(0,100)
       H=random.randint(0,100)
```

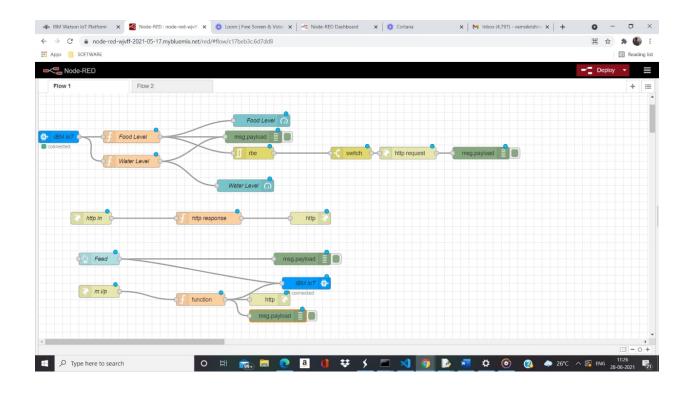
```
while True:
    T=random.randint(0,100)
    H=random.randint(0,100)
    #Send Temperature & Humidity to IBM Watson
    data = {"d":{ 'foodlevel' : T, 'waterlevel': H, }}
    #print data
    def myOnPublishCallback():
        print ("foodlevel = %s C" % T, "waterlevel = %s %%" % H,"to IBM Watson")

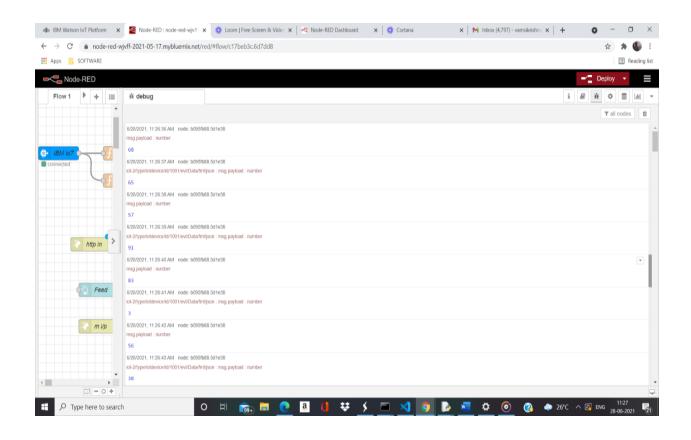
success = deviceCli.publishEvent("Data", "json", data, qos=0, on_publish=myOnPublishCallback)
    if not success:
        print("Not connected to IoTF")
        time.sleep(1)

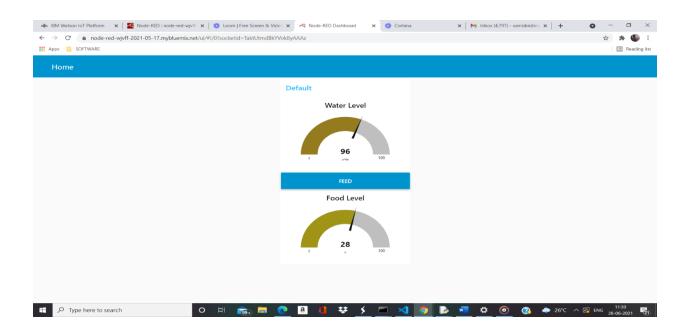
    deviceCli.commandCallback = myCommandCallback

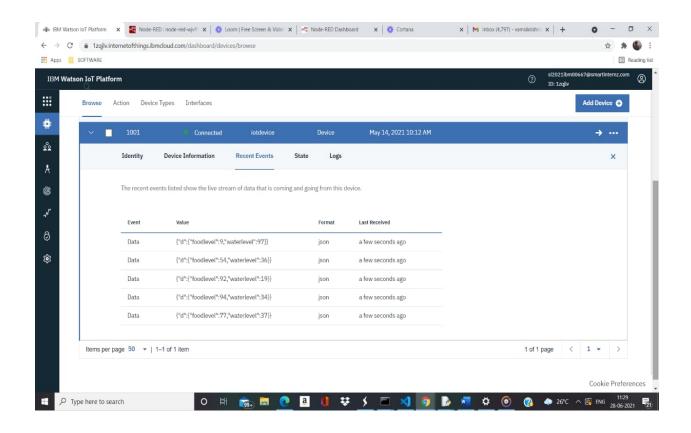
# Disconnect the device and application from the cloud
deviceCli.disconnect()|
```

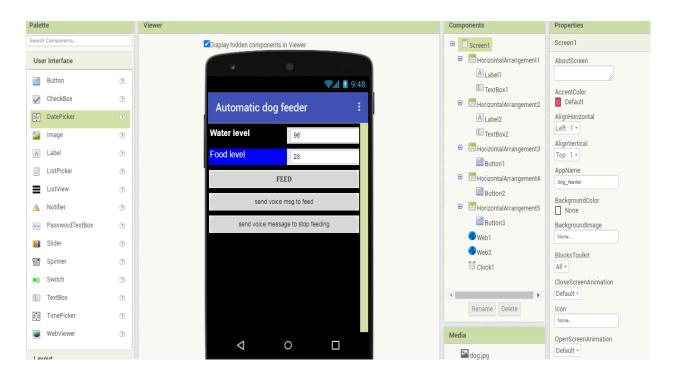












```
when Clock1 · Timer

do set Web1 · Url · to | ' https://node-red-wjvff-2021-05-17.mybluemix.net/....'

call Web1 · .Get

when Web1 · .GotText

url responseCode responseType responseContent

do set TextBox1 · . Text · to | look up in pairs key | ' t ' |

pairs | call Web1 · .JsonTextDecode |

jsonText | get responseContent · |

notFound · ' not found ' |

notFound
```

```
when Button1 Click
do set Web2 . Url to fattps://node-red-wjvff-2021-05-17.mybluemix.net/... "

call Web2 . Get

when Button2 . Click
do set Web2 . Url to fattps://node-red-wjvff-2021-05-17.mybluemix.net/... "

call Web2 . Get

when Button3 . Click
do set Web2 . Url to fattps://node-red-wjvff-2021-05-17.mybluemix.net/... "

call Web2 . Get
```

Automatic dog feeder Water level 96 Food level 28 FEED send voice msg to feed send voice message to stop feeding