

TEAM ID: PNT2022TMID06083

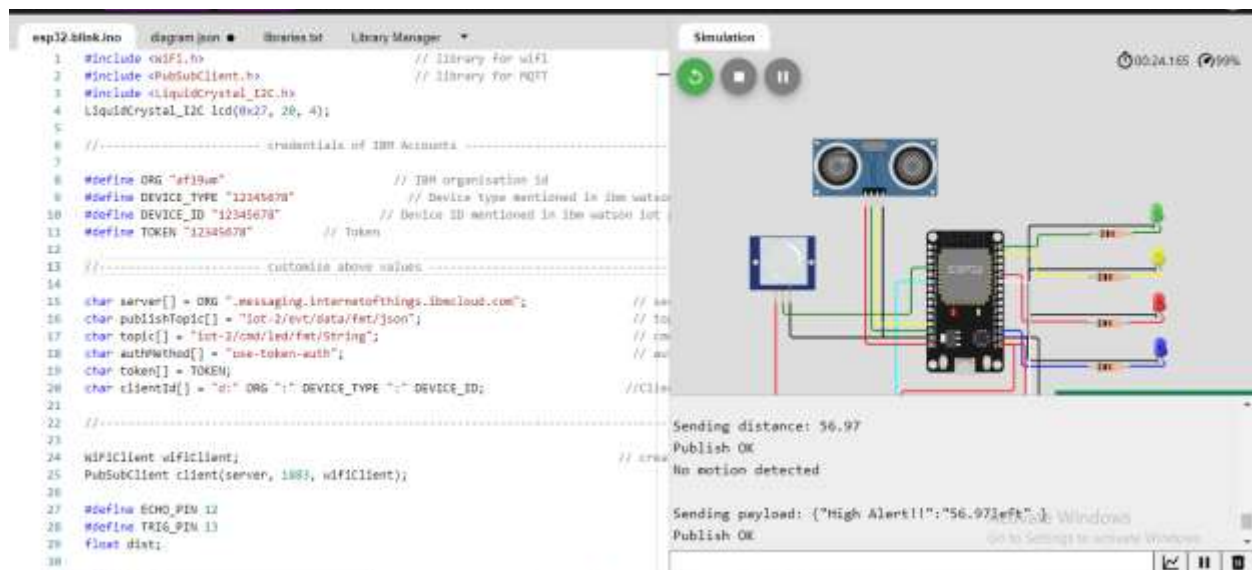
PROJECT TITLE: IOT Based Safety Gadget for Child
Safety Monitoring & Notification

SIMULATION CREATION (CONNECT SENSOR ARDUINO WITH PYTHON CODE)

PYTHON CODE:

```
import json
import wiotp.sdk.device
import time
myConfig = {
    "identity": {
        "orgId": "hj5fmy",
        "typeId": "NodeMCU",
        "deviceId": "12345"
    },
    "auth": {
        "token": "12345678"
    }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
while True:
    name = "smartbridge"
    #in area location
    #latitude=17.4219272
    #longitude=78.5488783
    #out area location
    latitude=17.4219272
    longitude=78.5488783
    myData={'name':name,'lat':latitude,'log':longitude}
    client.publishEvent(eventId="status",msgFormat="json",
        data=myData,qos=0,onpublish=None)
    print("Data published to IBM IOT platform:",myData)
    time.sleep(5)
    client.Disconnect()
```

CONNECT SENSOR ARDUINO WITH PYTHON CODE



SIMULATION CONNECTED TO IBM WATSON

