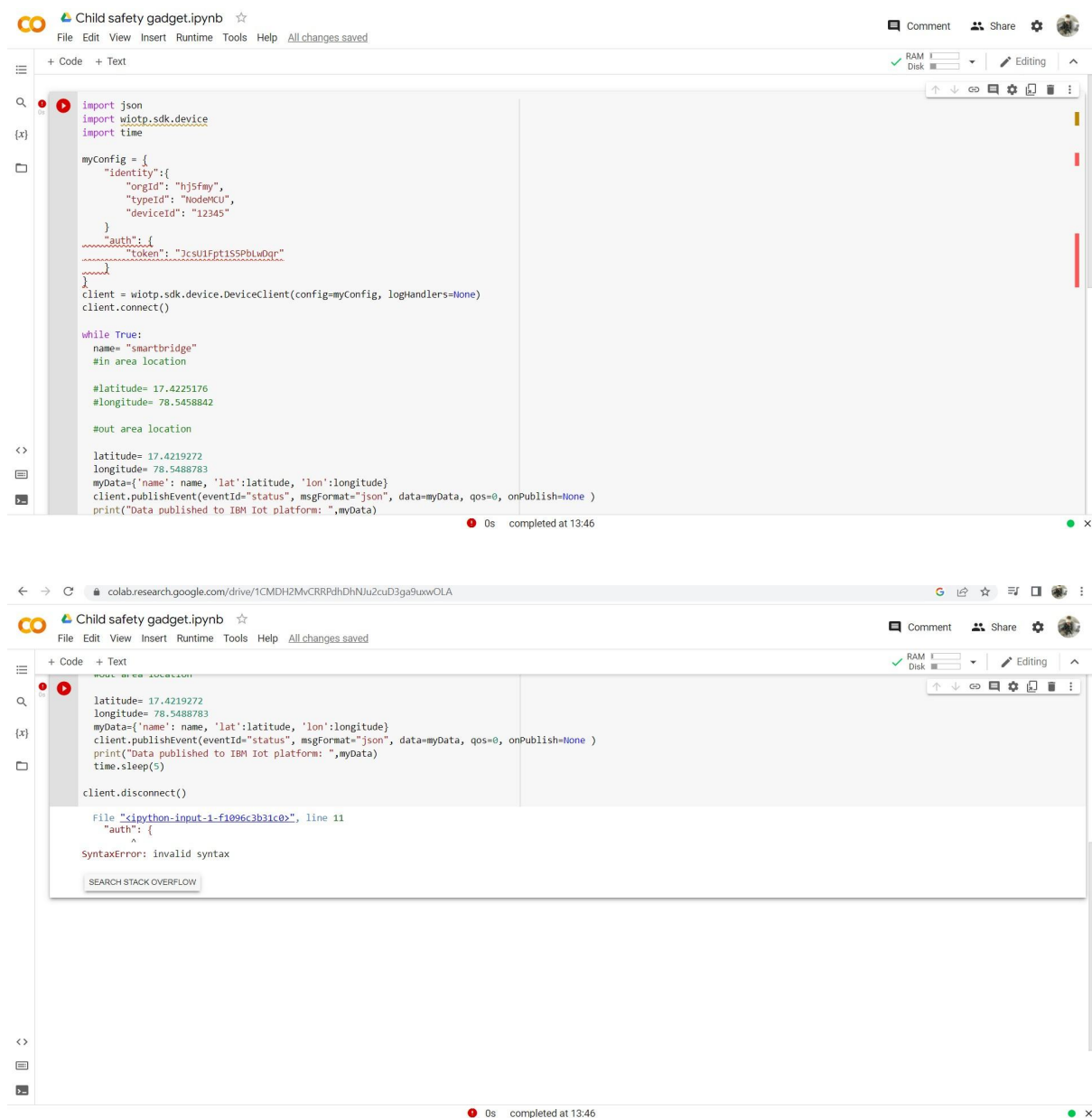


# IoT Based Safety Gadget for Child Safety Monitoring and Notification.

## Debugging process:

Debugging, in computer programming and engineering, is a multistep process that involves identifying a problem, isolating the source of the problem, and then either correcting the problem or determining a way to work around it.



The image displays two screenshots of a Jupyter Notebook interface, likely Google Colab, showing the debugging process of a Python script for an IoT-based child safety gadget.

**Top Screenshot:** The notebook is titled "Child safety gadget.ipynb". The code is as follows:

```
import json
import wiotp.sdk.device
import time

myConfig = {
    "identity": {
        "orgId": "hj5fmy",
        "typeId": "NodeMCU",
        "deviceId": "12345"
    },
    "auth": {
        "token": "Jcsu1Fgt1S5PbLuDqr"
    }
}

Client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
    name= "smartbridge"
    #in area location

    #latitude= 17.4225176
    #longitude= 78.5458842

    #out area location

    latitude= 17.4219272
    longitude= 78.5488783
    myData={'name': name, 'lat':latitude, 'lon':longitude}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None )
    print("Data published to IBM Iot platform: ",myData)
```

The code is executed, and the output shows "Data published to IBM Iot platform: ",myData".

**Bottom Screenshot:** The notebook is titled "Child safety gadget.ipynb". The code is as follows:

```
latitude= 17.4219272
longitude= 78.5488783
myData={'name': name, 'lat':latitude, 'lon':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()
```

The code is executed, and a syntax error is shown:

```
File "c:\python-input-1-f1096c3b31c0", line 11
    "auth": {
    ^
SyntaxError: invalid syntax
```

The error message indicates a "SyntaxError: invalid syntax" at line 11, specifically at the "auth" dictionary definition.

```
File Edit View Insert Runtime Tools Help All changes saved
+ Code + Text
RAM Disk
Editing
{
  "auth": {
    "token": "12345678"
  }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
    name= "smartbridge"
    #in area location

    #latitude= 17.4225176
    #longitude= 78.5458842

    #out area location

    latitude= 17.4219272
    longitude= 78.5488783
    myData=('name': name, 'lat':latitude, 'lon': 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()

File "c:\python-input-2-62fec26ef73b2", line 29
myData=('name': name, 'lat':latitude, 'lon': longitude)
        ^
SyntaxError: invalid syntax

SEARCH STACK OVERFLOW

0s completed at 13:49
```

## CODE:

```
import json
import wiotp.sdk.device
import time

myConfig = {
    "identity":{
        "orgId": "hj5fmy",
        "typeId": "NodeMCU",
        "deviceId": "12345"
    },
    "auth": {
        "token": "JcsU1Fpt1S5PbLwDqr"
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```

```
#out area location

latitude= 17.4219272
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myData={'name': name, 'lat':latitude, 'lon':longitude}
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