PROJECT DEVELOPMENTDELIVERY OF SPRINT-3

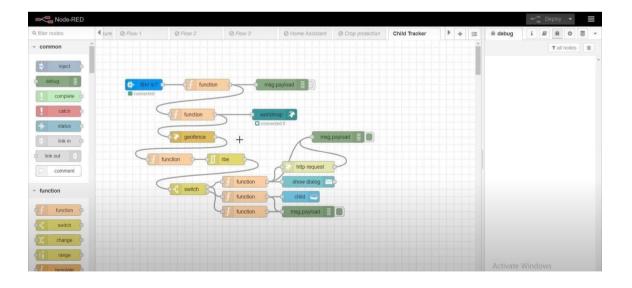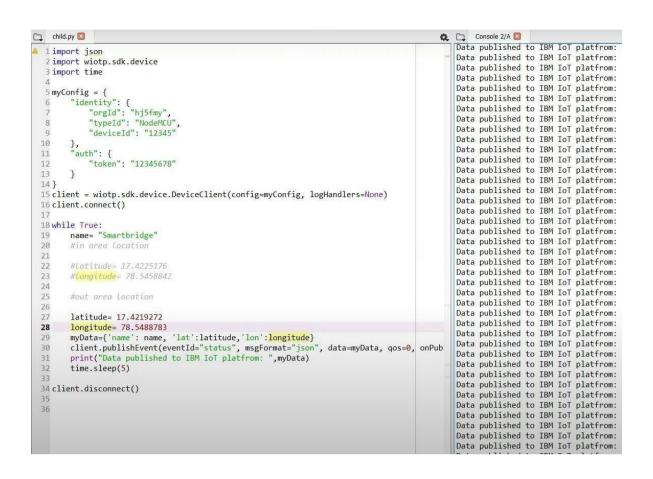| Date	17-11-2022
Team ID	PNT2022TMID38953
ProjectName	**Project-IoT Based Safety Gadget For Child Safety Monitoring & Notification**
MaximumMarks	

IOT DEVICE – WATSON COMMUNICATION
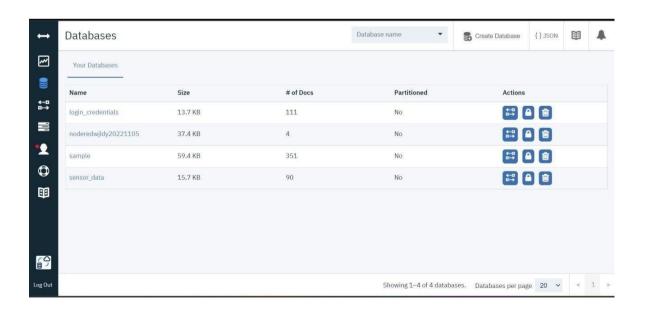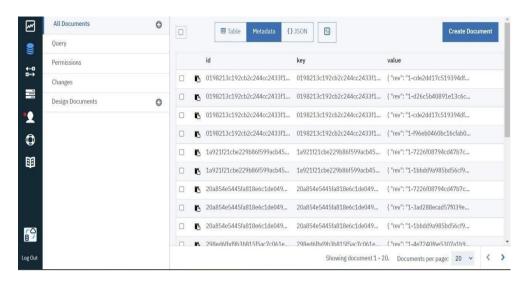
The data from IoT device should reach IBM Cloud

NODE RED-CLOUDANTDB COMMUNICATION:

```python
1 import json
2 import wiotp.sdk.device
3 import time
4
5 myConfig = {
6     "identity": {
7         "orgId": "hj5fmy",
8         "typeId": "NodeMCU",
9         "deviceId": "12345"
10    },
11    "auth": {
12        "token": "12345678"
13    }
14 }
15 client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
16 client.connect()
17
18 while True:
19     name= "Smartbridge"
20     #in area location
21
22     #latitude= 17.4225176
23     #longitude= 78.5458842
24
25     #out area location
26
27     latitude= 17.4219272
28     longitude= 78.5488783
29     myData={'name': name, 'lat':latitude,'lon':longitude}
30     client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPub
31     print("Data published to IBM IoT platfrom: ",myData)
32     time.sleep(5)
33
34 client.disconnect()
35
36
```

```
Data published to IBM IoT platfrom:
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```

Databases

Name	Size	# of Docs	Partitioned	Actions
login_credentials	13.7 KB	111	No	
noderedwjldy20221105	37.4 KB	4	No	
sample	59.4 KB	351	No	
sensor_data	15.7 KB	90	No	

Showing 1–4 of 4 databases.   Databases per page 20

RESULT:

The data stored in IBM Cloud should beproperly integrated with Cloudant DB.