

# **ASSIGNMENT 5**

Getting User Data from Web UI and posting it in the Cloudant Database



BY
ROHAN CHANDRASHEKAR
rohan.c2020@vitstudent.ac.in

#### CODE-

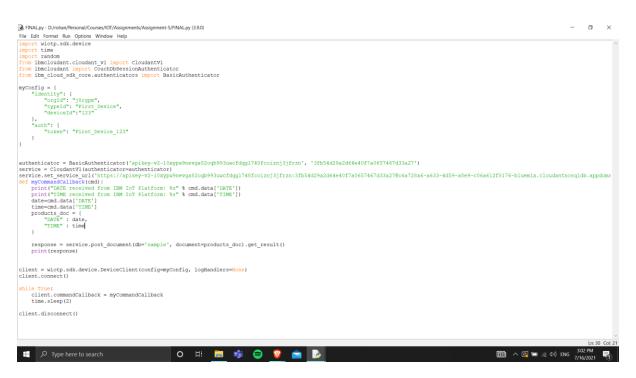
```
import wiotp.sdk.device
import time
import random
from ibmcloudant.cloudant_v1 import CloudantV1
from ibmcloudant import CouchDbSessionAuthenticator
from ibm_cloud_sdk_core.authenticators import BasicAuthenticator
myConfig = {
  "identity": {
    "orgId": "j8rgpm",
    "typeId": "First_Device",
    "deviceId":"123"
  },
  "auth": {
    "token": "First Device 123"
  }
}
authenticator = BasicAuthenticator('apikey-v2-10xypw9nevga82oqb993uwcfdqgl748fcoiznj3jfrzn',
'3fb54d29a2d64e40f7a0657467d33a27')
service = CloudantV1(authenticator=authenticator)
service.set_service_url('https://apikey-v2-
10xypw9nevga82oqb993uwcfdqgl748fcoiznj3jfrzn:3fb54d29a2d64e40f7a0657467d33a27@c6a728a
6-a633-4d59-a8e9-c06a612f8176-bluemix.cloudantnosqldb.appdomain.cloud')
def myCommandCallback(cmd):
  print("DATE received from IBM IoT Platform: %s" % cmd.data['DATE'])
  print("TIME received from IBM IoT Platform: %s" % cmd.data['TIME'])
  date=cmd.data['DATE']
```

```
time=cmd.data['TIME']
products_doc = {
    "DATE" : date,
    "TIME" : time
}

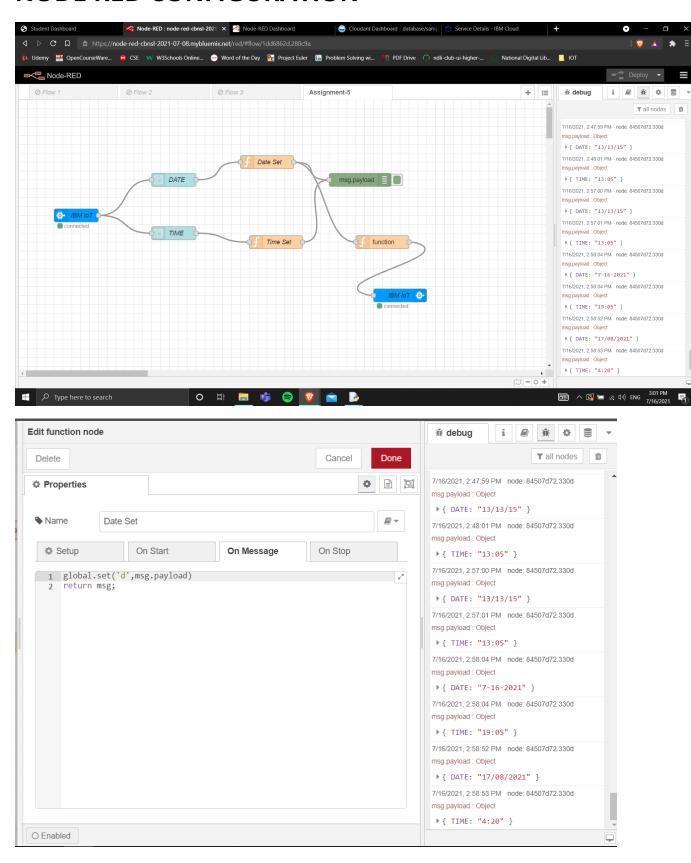
response = service.post_document(db='sample', document=products_doc).get_result()
print(response)

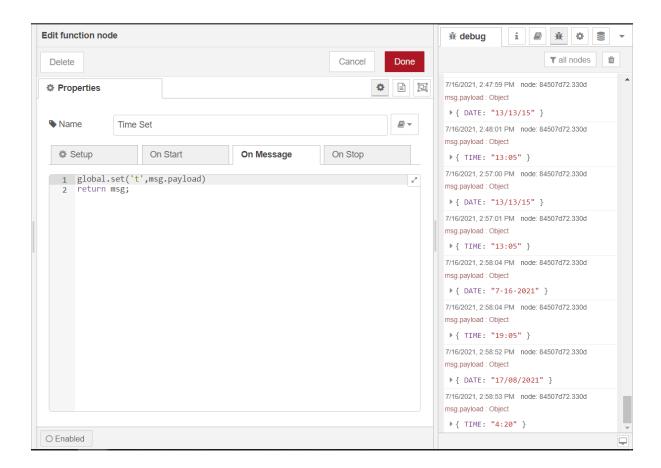
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()
```

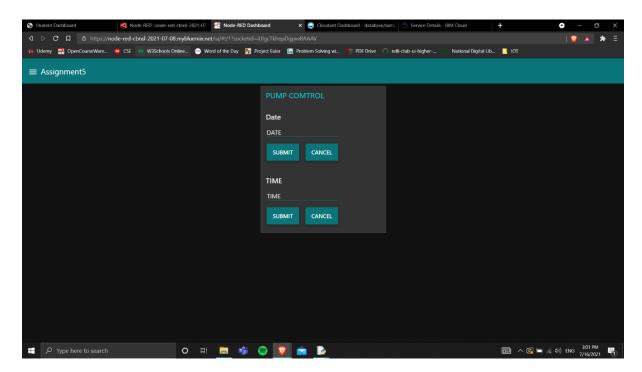


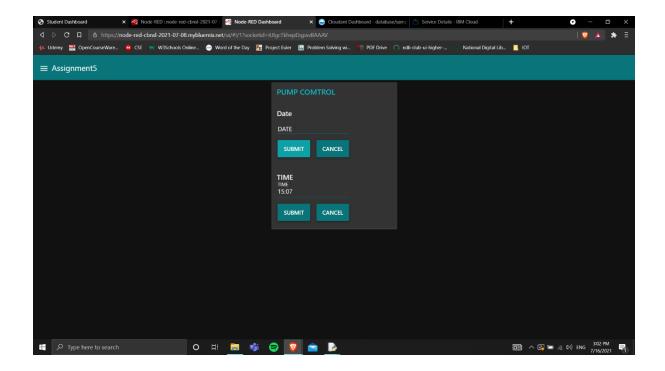
# NODE RED CONFIGURATION-





# **WEB UI-**





# **PYTHON SHELL OUTPUT-**

```
*Python 3.9.0 Shell*
File Edit Shell Debug Options Window Help
Type "help", "copyright", "credits" or "license()" for more information.
==== RESTART: D:/rohan/Personal/Courses/IOT/Assignments/Assignment-4/2.py =====
2021-07-15 15:57:54,559 wiotp.sdk.device.client.DeviceClient INFO Message received from IBM IoT Platform: hi
                                                                                     Connected successfully: d:j8rgpm:First_Device:123
Data Received :
Message received from IBM IoT Platform: test1 Data Received :
test1
Message received from IBM IoT Platform: test1 Data Received :
Message received from IBM IoT Platform: test2
Data Received :
test2
Message received from IBM IoT Platform: this is working Data Received:
this is working
Message received from IBM IoT Platform: nice Data Received : nice
Message received from IBM IoT Platform: spent a lot of time on this assignment
Data Received : spent a lot of time on this assignment
Message received from IBM IoT Platform: final message Data Received:
final message
```

# **CLOUDANT DATABASE-**

