PUBLISH DATA TO THE IBM CLOUD

TEAM ID	PNT2022TMID00923
PROJECT NAME	Signs with Smart Connectivity for
	Better Road Safety

STEPS TO PUBLISH DATA TO IBM CLOUD:

- **STEP-1:** Sign in to the created IBM IoT platform.
- **STEP-2:** Select organization from drop down in the right top corner.
- **STEP-3:** Click on to add device and enter the device type and deviceid.
- **STEP-4:** Click next until you get the device credentials which are thedevice type, device id, authentication method and authentication token.
- **STEP-5:** Enter all those credentials in the python code and importibmiotf.application and ibmiotf.device libraries.
- **STEP-6:** Create data in json format and enter syntax that pushes thedata to IBM IoT platform
- **STEP-7:** The data is displayed in the corresponding device under the RECENT EVENTS tab.

CODE SPECIFICACTIONS:

```
File Edit Format Run Options Window Help
import requests #importing a library
import json
import ibmiotf.application
import ibmiotf.device
import time
import random
import sys

# watson device details

organization = "2s7yy7"
devicType = "project"
deviceId = "projectid"
authMethod= "token"
authToken= "projecttoken"

Temp= data['main']['temp']
Humd= data['main']['humidity']
data= {'temp':Temp, 'humid':Humd}
dist=random.randint(0,20)
dis={'dista':dist}
```

success=deviceCli.publishEvent ("IoTSensor","json",insta,qos=0,on_publish= myOnPublishCallback)
success=deviceCli.publishEvent ("IoTSensor","json",data,qos=0,on_publish= myOnPublishCallback)
success=deviceCli.publishEvent ("IoTSensor","json",warn,qos=0,on_publish= myOnPublishCallback)
success=deviceCli.publishEvent ("IoTSensor","json",dis,qos=0,on_publish= myOnPublishCallback)

IBM IoT WATSON PLATFORM:

