Project development phase: Sprint 1:

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Python Script:

```
import wiotp.sdk.device
from time import*
from random import*

myConfig = {
    "identity": {
        "orgId": "dg4pct",
        "typeId": "ESP32",
        "deviceId": "2812201"
    },
    "auth": {
        "token": "28122001"
    }

def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform:
%s" % cmd.data['command'])
    m = cmd.data['command']
client =
wiotp.sdk.device.DeviceClient(config=myConfig,
logHandlers=None)
client.connect()
while True:
    tur = randint(20, 300)
    ph = randint(1, 14)
```

```
temp = randint(0, 100)
      myData = {'Temperature': temp, 'Turbidity': tur,
'pHvalue': ph}
      client.publishEvent(eventId="status",
msgFormat="json", data=myData, gos=0, onPublish=None)
      print("Published data Successfully: %s", myData)
      client.commandCallback = myCommandCallback
      sleep(6)
client.disconnect
    import wiotp.sdk.device
    from time import*
    from random import*
    def myCommandCallback(cmd):
 un: 🍦 IBM python
  ↑ C:\Users\Admin\PycharmProjects\pythonProject\venv\Scripts\python.exe "C:\Users\Admin/PycharmProjects/pythonProject/IBM python.py"
  Published data Successfully: %s {'Temperature': 49, 'Turbidity': 186, 'pHvalue': 9}
  Published data Successfully: %s {'Temperature': 81, 'Turbidity': 69, 'pHvalue': 10}
  🖶 Published data Successfully: %s {'Temperature': 96, 'Turbidity': 26, 'pHvalue': 10}
```