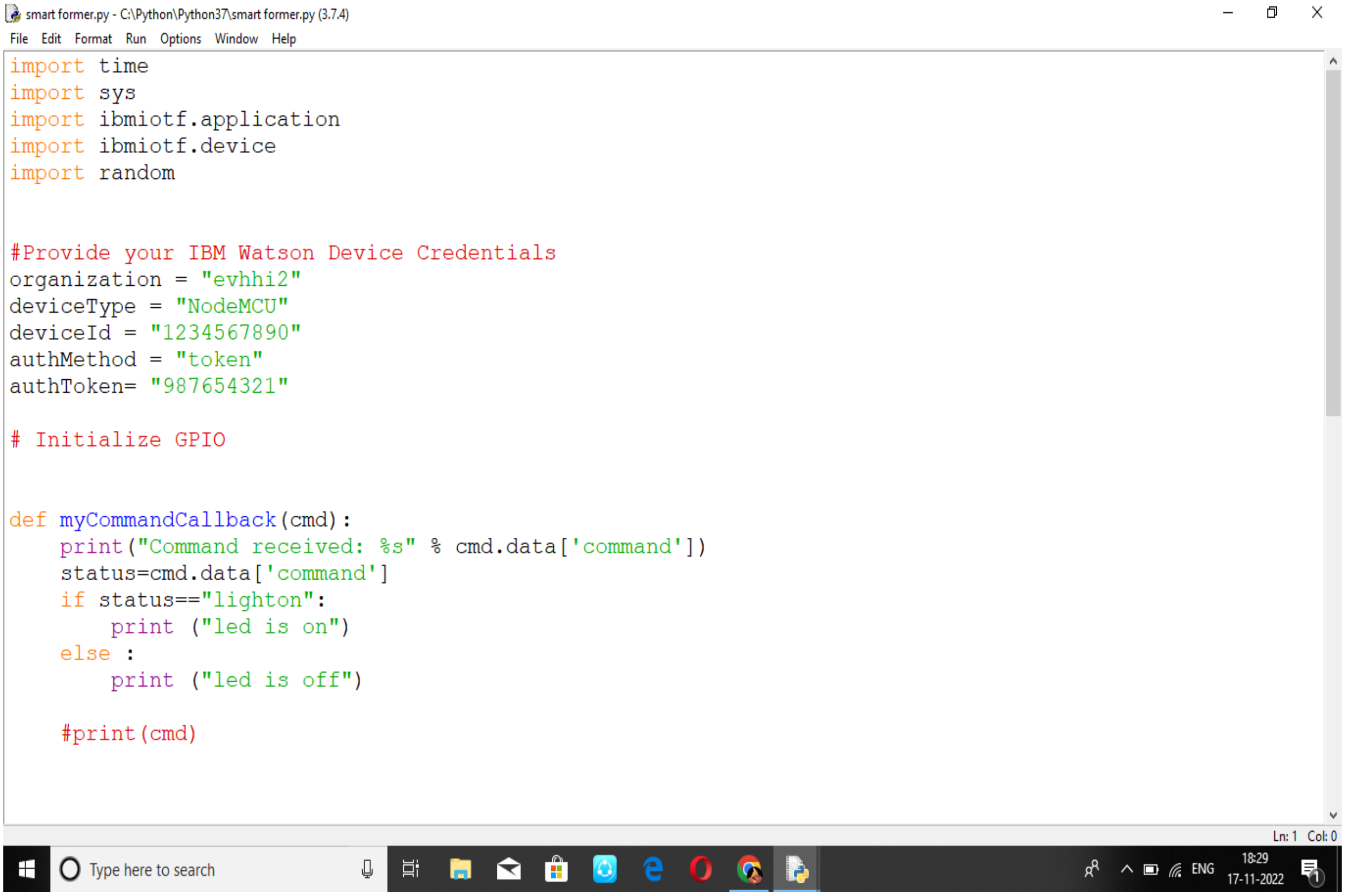
SPRINT-3

DATE	12 NOVEMBER 2022
TEAM ID	PNT2022TMID46164
PROJECT NAME	SMART FARMER-IOT ENABLED SMART FARMING APPLICATIONS

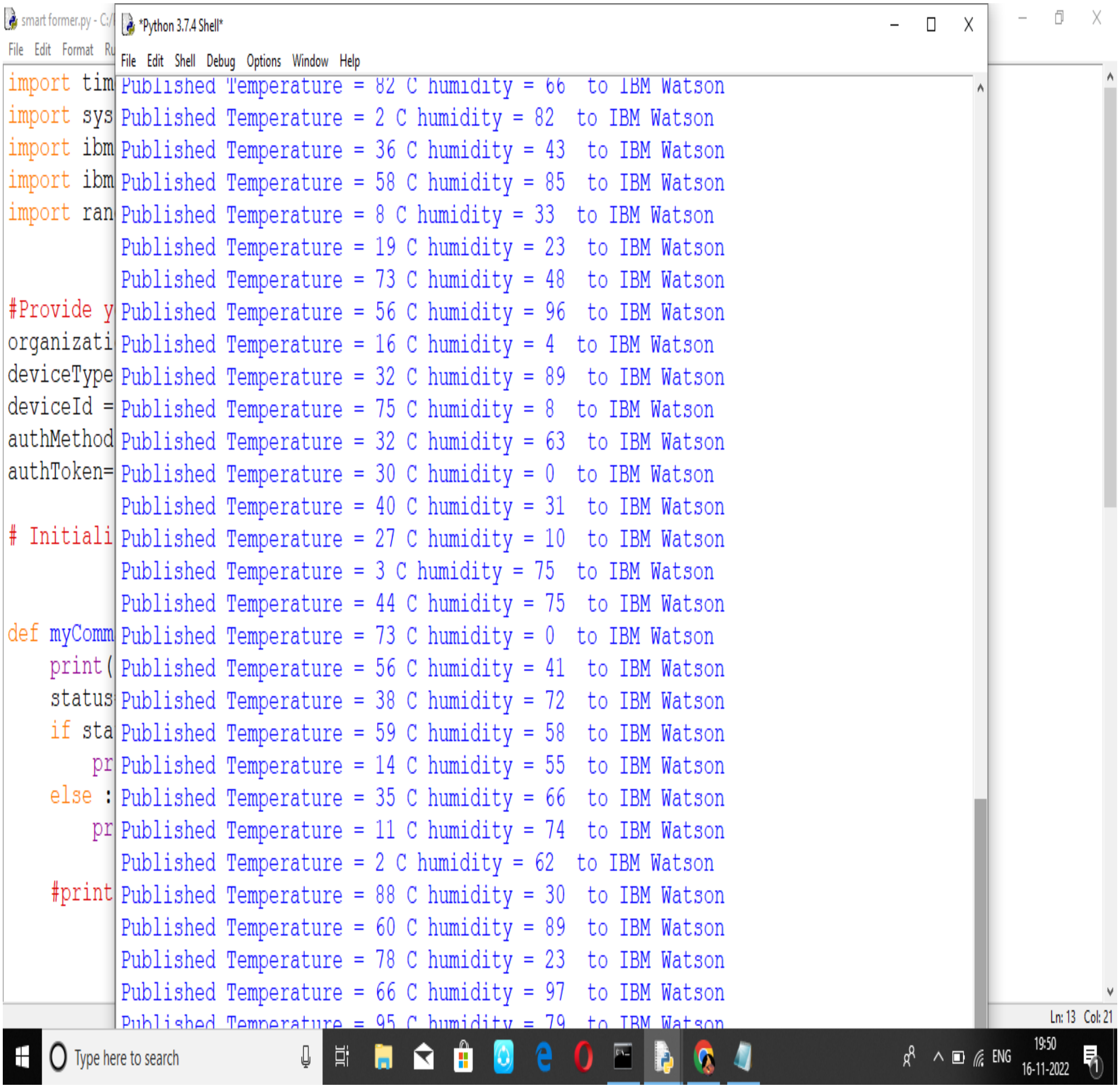
DEVELOP A PYTHON SCRIPT TO PUBLISH AND SUBSCRIBE TO IBM IOT PLATFORM

★ Develop the python code to publish and subscribe to the commands from the IBM cloud.


smart former.py - C:\Python\Python37\smart former.py (3.7.4)
File Edit Format Run Options Window Help
Ln: 1 Col: 0
Type here to search
ENG
18:29
17-11-2022

```
import time
import sys
import ibmiotf.application
import ibmiotf.device
import random


#Provide your IBM Watson Device Credentials
organization = "evhhi2"
deviceType = "NodeMCU"
deviceId = "1234567890"
authMethod = "token"
authToken= "987654321"

# Initialize GPIO


def myCommandCallback(cmd):
    print("Command received: %s" % cmd.data['command'])
    status=cmd.data['command']
    if status=="lighton":
        print ("led is on")
    else :
        print ("led is off")

    #print(cmd)
```

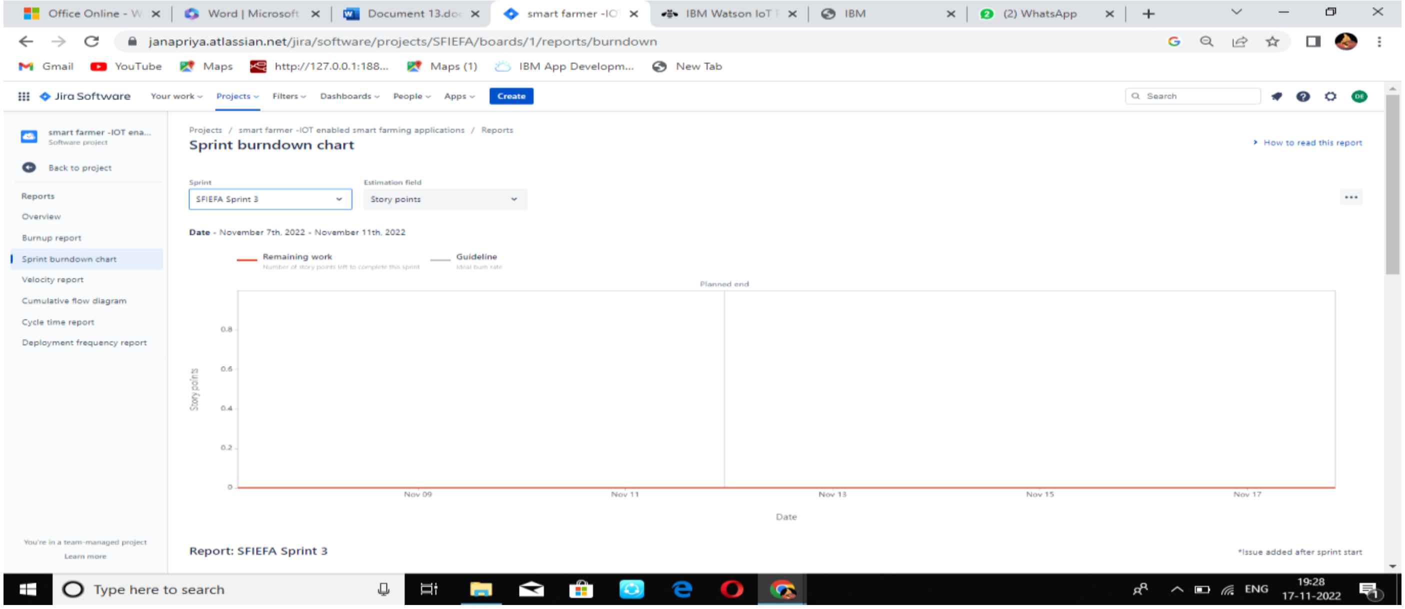
PYTHON CODING (OUTPUT):



```
import tim
import sys
import ibm
import ibm
import ran


#Provide y
organizati
deviceType
deviceId =
authMethod
authToken=

# Initiali


def myComm
    print(
    status
    if sta
        pr
    else :
        pr

    #print
```

```
Published Temperature = 82 C humidity = 66  to IBM Watson
Published Temperature = 2 C humidity = 82  to IBM Watson
Published Temperature = 36 C humidity = 43  to IBM Watson
Published Temperature = 58 C humidity = 85  to IBM Watson
Published Temperature = 8 C humidity = 33  to IBM Watson
Published Temperature = 19 C humidity = 23  to IBM Watson
Published Temperature = 73 C humidity = 48  to IBM Watson
Published Temperature = 56 C humidity = 96  to IBM Watson
Published Temperature = 16 C humidity = 4  to IBM Watson
Published Temperature = 32 C humidity = 89  to IBM Watson
Published Temperature = 75 C humidity = 8  to IBM Watson
Published Temperature = 32 C humidity = 63  to IBM Watson
Published Temperature = 30 C humidity = 0  to IBM Watson
Published Temperature = 40 C humidity = 31  to IBM Watson
Published Temperature = 27 C humidity = 10  to IBM Watson
Published Temperature = 3 C humidity = 75  to IBM Watson
Published Temperature = 44 C humidity = 75  to IBM Watson
Published Temperature = 73 C humidity = 0  to IBM Watson
Published Temperature = 56 C humidity = 41  to IBM Watson
Published Temperature = 38 C humidity = 72  to IBM Watson
Published Temperature = 59 C humidity = 58  to IBM Watson
Published Temperature = 14 C humidity = 55  to IBM Watson
Published Temperature = 35 C humidity = 66  to IBM Watson
Published Temperature = 11 C humidity = 74  to IBM Watson
Published Temperature = 2 C humidity = 62  to IBM Watson
Published Temperature = 88 C humidity = 30  to IBM Watson
Published Temperature = 60 C humidity = 89  to IBM Watson
Published Temperature = 78 C humidity = 23  to IBM Watson
Published Temperature = 66 C humidity = 97  to IBM Watson
Published Temperature = 95 C humidity = 79  to IBM Watson
```

BURNDOWN CHART:



janapriya.atlassian.net/jira/software/projects/SFIEFA/boards/1/reports/burndown

Projects / smart farmer -IOT enabled smart farming applications / Reports

Sprint burndown chart

Sprint: SFIEFA Sprint 3

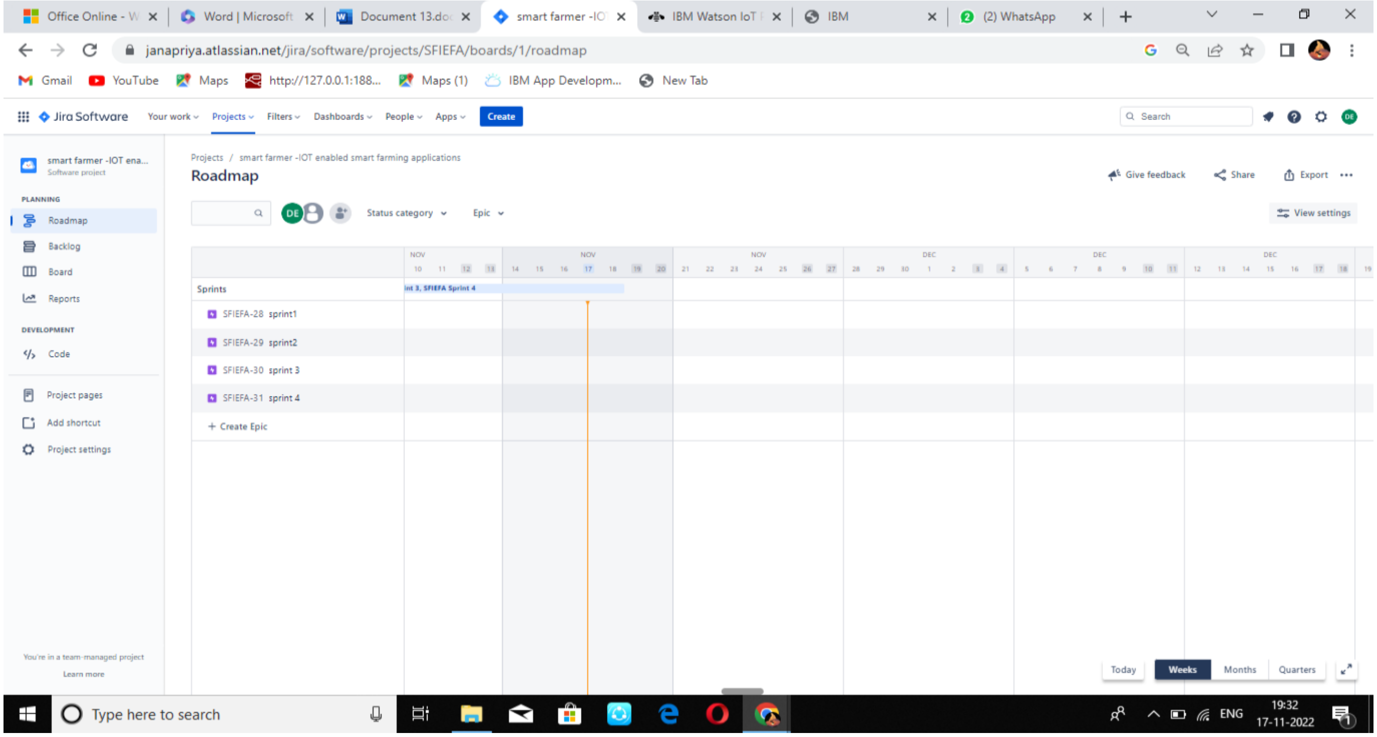
Estimation field: Story points

Date - November 7th, 2022 - November 11th, 2022

Report: SFIEFA Sprint 3

*Issue added after sprint start

ROADMAP:



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Projects / smart farmer -IOT enabled smart farming applications

Roadmap

Sprints: int 3, SFIEFA Sprint 4

SFIEFA-28 sprint1

SFIEFA-29 sprint2

SFIEFA-30 sprint 3

SFIEFA-31 sprint 4

+ Create Epic