Project Development Phase

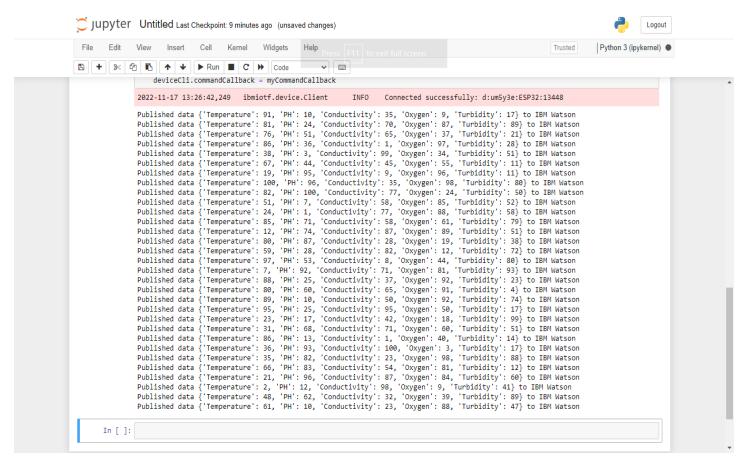
Sprint – 3

Date	13 Nov 2022
Team ID	PNT2022TMID06691
Project Name	Real-Time River Water Quality
	Monitoring and Control System
Maximum Marks	8 Marks

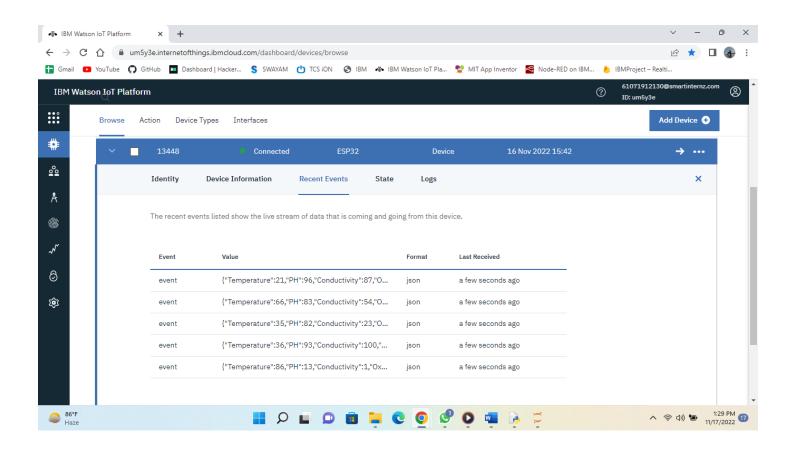
USN - 7: Publish Data to cloud

As a user, I can publish Data that is sensed by the microcontroller to the Cloud

Output in Python Shell (Jupyter Notebook):

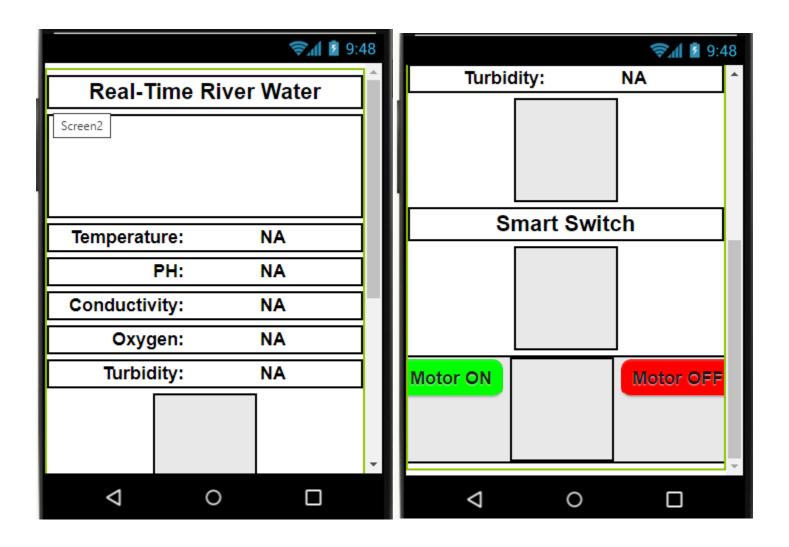


Output in IBM Cloud:



USN – 8: MIT app inventor (Front end Design)

As a user, I can create the front end design for the application using MIT app Inventor



USN – 9: MIT app inventor (Back end Design)

As a user, I can create the back end design for the application using MIT app Inventor

```
when Clock1 .Timer
    set Web1 . Url .
                       to
                             https://node-red-ccikw-2022-11-16.eu-gb.mybluemi...
    call Web1 .Get
when Web1 .GotText
 url responseCode responseType
                                 responseContent
    set Label3 . Text to
                             look up in pairs key Temperature
                                         pairs
                                                 call Web1 .JsonTextDecode
                                                                    jsonText
                                                                              get responseContent
                                      notFound
                                                not found
                               look up in pairs key
    set Label10 . Text to
                                                 " (PH) "
                                                  call Web1 .JsonTextDecode
                                                                               get responseContent
                                                                     jsonText
                                       notFound
                                                 " not found "
    set Label11 . Text to
                                                 Conductivity
                               look up in pairs key 🏮
                                                  call Web1 .JsonTextDecode
                                                                     jsonText
                                                                              get responseContent
                                       notFound
                                                 not found
    set Label5 . Text to
                             look up in pairs key
                                                " Oxygen "
                                         pairs
                                                 call Web1 .JsonTextDecode
                                                                    jsonText
                                                                              get responseContent
                                      notFound
                                                f not found
    set Label7 . Text to
                              look up in pairs key 🏮
                                                " Turbidity
                                                 call Web1 .JsonTextDecode
                                         pairs
                                                                    isonText
                                                                              get responseContent
                                      notFound
                                                not found
 when Button1 ▼ .Click
 do
      set Web2 *
                       Url ▼
                               to
                                       https://node-red-ccikw-2022-11-16.eu-gb.mybluemi...
      call Web2 .Get
 when Button2 .Click
 do
       set Web2 *
                       Url 🔻
                               to
                                        https://node-red-ccikw-2022-11-16.eu-gb.mybluemi...
       call Web2
                       .Get
```