Configure the Application to Receive the Data from the Cloud

Team ID	PNT2022TMID06691
Project Name	Real-Time River Water
	Quality Monitoring and
	Control System

Configuring Application:

MIT App Inventor: Blocks

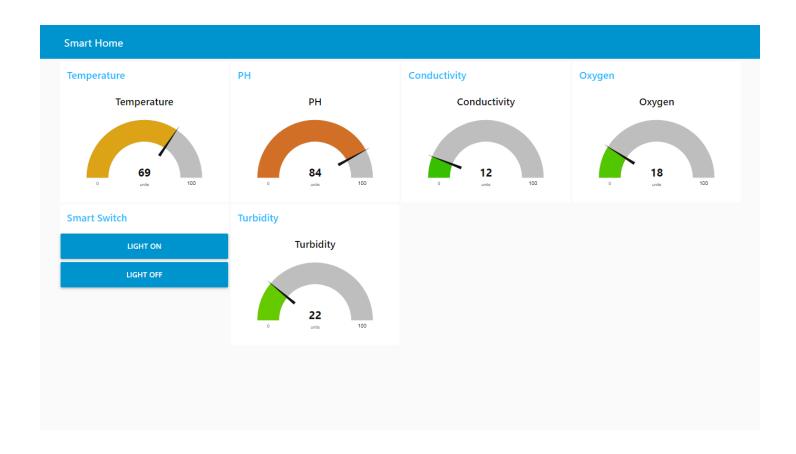
```
when Clock1 .Timer
    set Web1 •
                 Url •
                               https://node-red-ccikw-2022-11-16.eu-gb.mybluemi...
    call Web1 *
when Web1 .GotText
 url responseCode responseType
    set Label3 . Text to
                              look up in pairs key 1 Temperature
                                                   call Web1 .JsonTextDecode
                                                                      jsonText
                                                                                 get responseContent
                                       notFound
                                                  " not found "
    set Label10 . Text to
                                look up in pairs key
                                                   " (PH) "
                                            pairs call Web1 JsonTextDecode
                                                                                  get responseContent
                                                                       jsonText
                                        notFound | " not found "
    set Label11 . Text to
                               look up in pairs key
                                                   Conductivity
                                                   call Web1 .JsonTextDecode
                                                                                 get responseContent
                                                                       jsonText |
                                        notFound
                                                   not found
    set Label5 . Text to look up in pairs key
                                                  Oxygen '
                                                   call Web1 .JsonTextDecode
                                                                                 get responseContent
                                                                      jsonText
                                       notFound
                                                  not found
    set Label7 . Text to
                              look up in pairs key

    Turbidity

                                                  call Web1 .JsonTextDecode
                                                                      jsonText
                                                                                get responseContent
                                                  not found
                                       notFound
```

Data displaying in the Web UI:

Data received from Python Script to IBM Cloud to the Web UI



Data displaying in the Mobile App:

Data received from Python Script to IBM Cloud to the Web UI to the Mobile $\ensuremath{\mathsf{App}}$



Real-Time River Water Quality Monitoring and Control System

Temperature: 69

PH: 84

Conductivity: 12

Oxygen: 18

Turbidity: 22

Smart Switch

Motor ON

Motor OFF