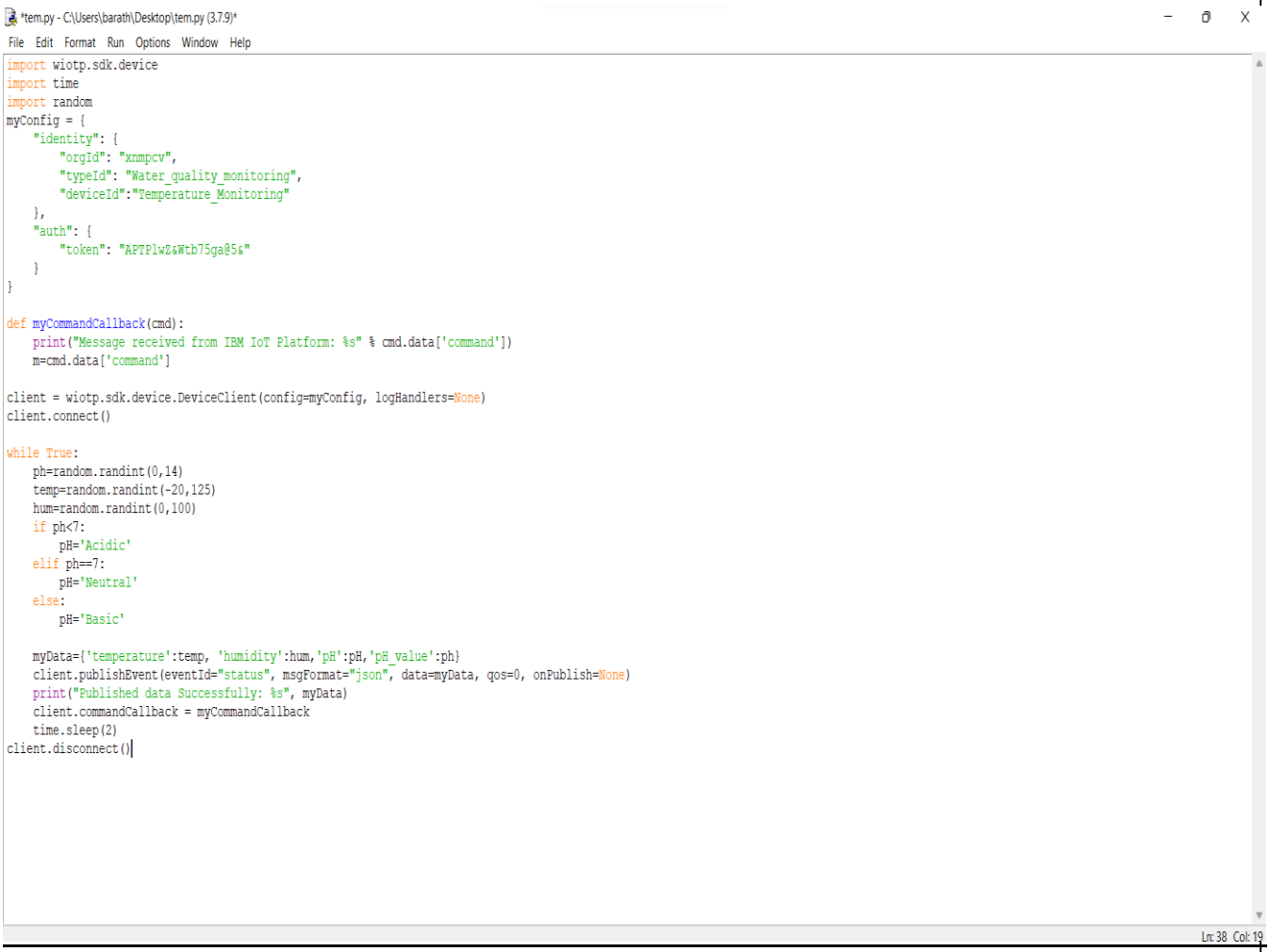
PROJECT DEVELOPMENT PHASE

PROJECT DEVELOPMENT - DELIVERY OF SPRINT 4

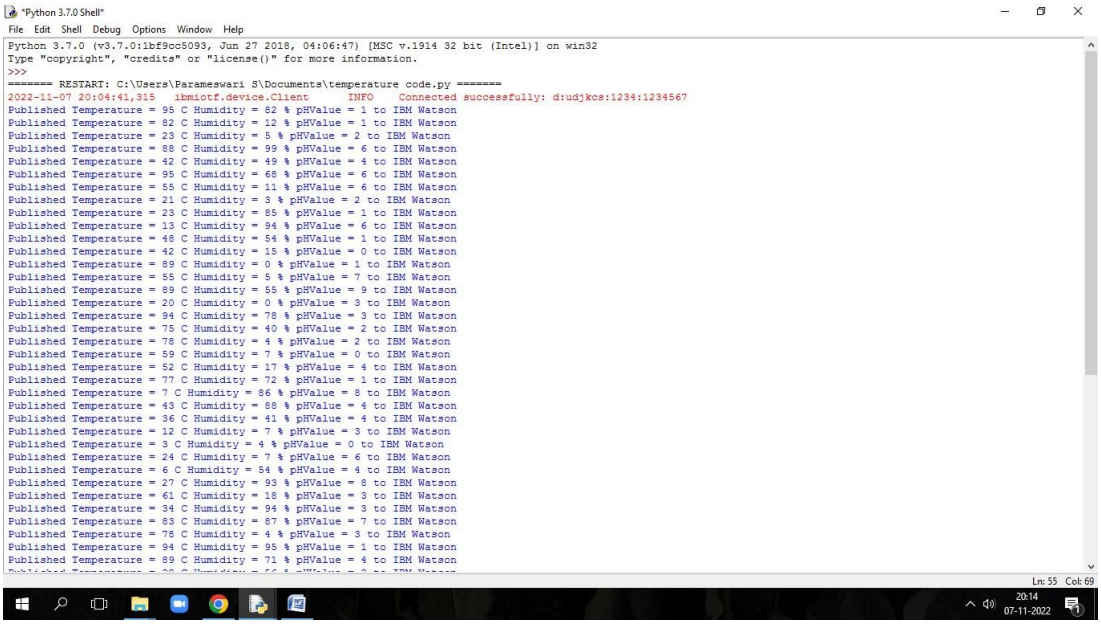
Date:	09 November 2022
Team ID:	PNT2022TMID00966
Name:	Real-Time River Water Quality Monitoring and Control System

SPRINT DESCRIPTION

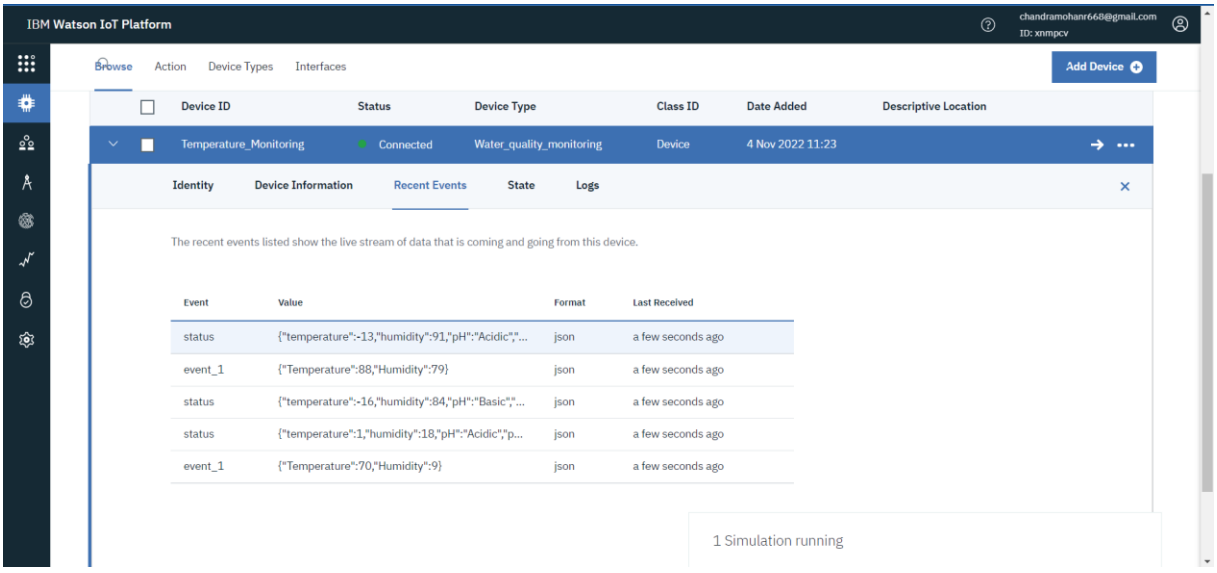
In this Sprint we are about to describe about the Application we have developed and the Final Testing of the Python Code.



PYTHON EXECUTED OUTPUT



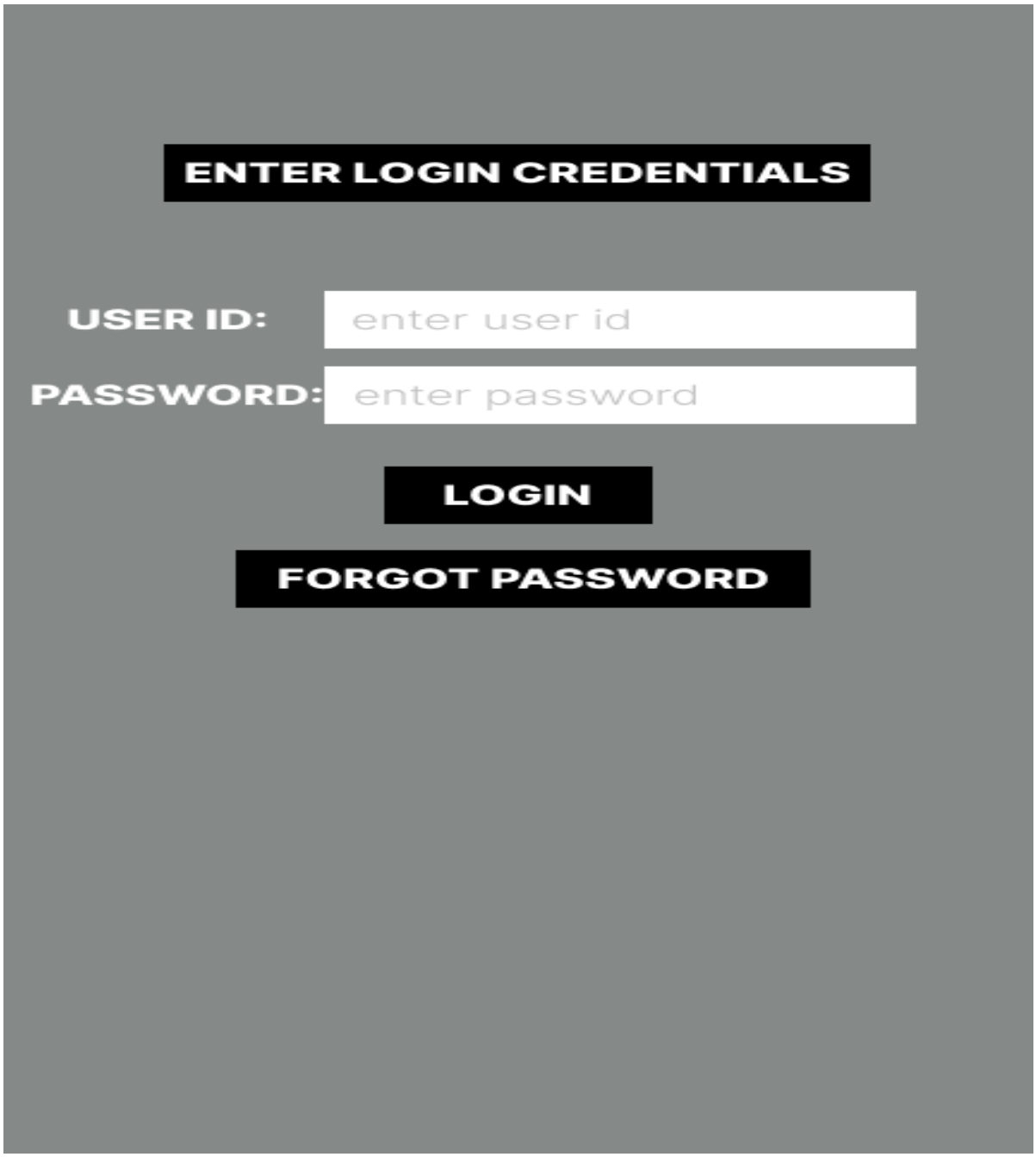
We have successfully developed the python code and executed it. The code runs with the Temperature, Humidity and pH Value also displayed in the IBM IoT Platform.

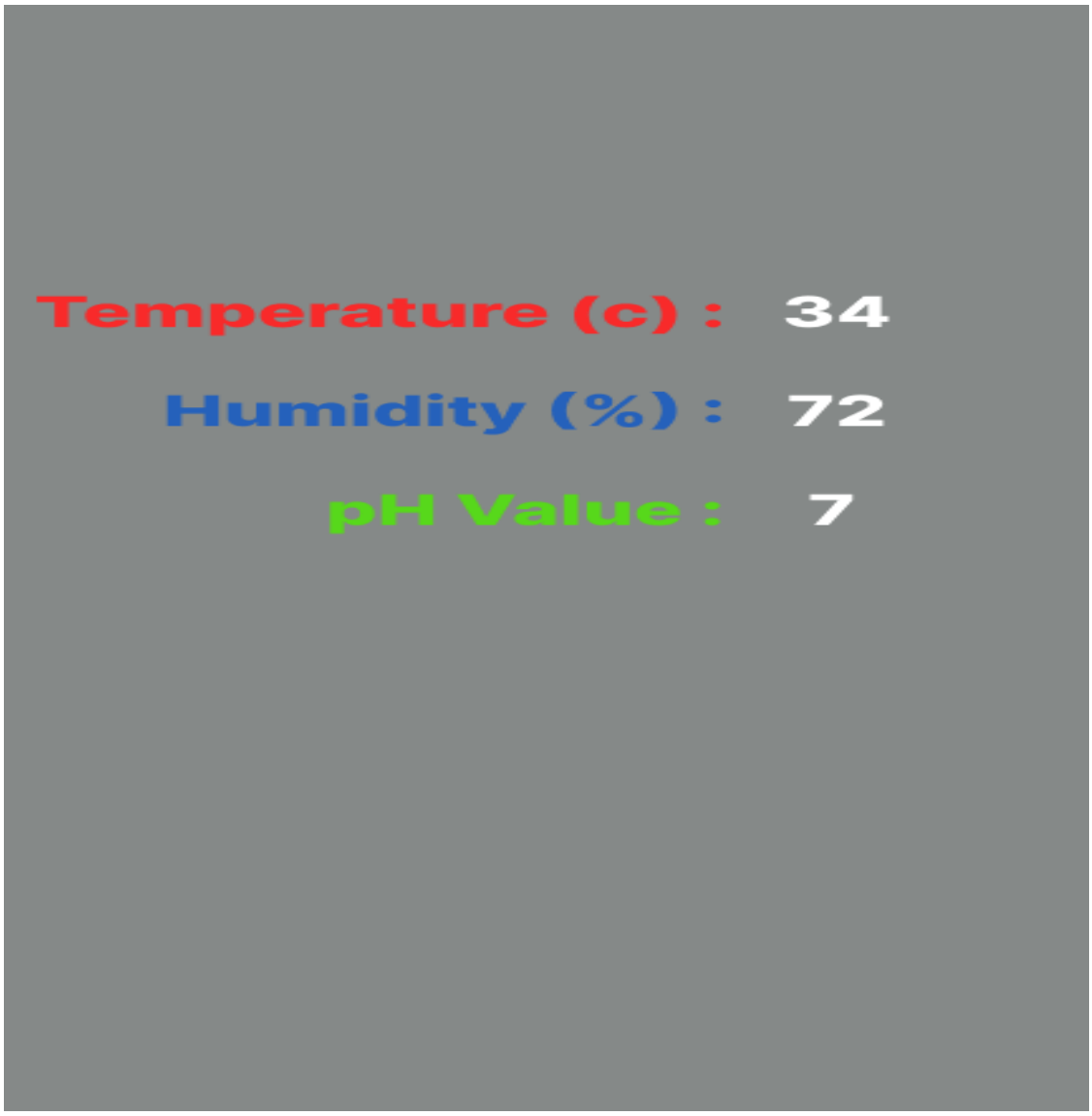


APPLICATION SCREENS

HERE WE DISPLAYED SCREEN 1 & SCREEN 2 PAGES OF OUR CREATED APPLICATION


Real Time River Water
Quality and Control System
GET STARTED

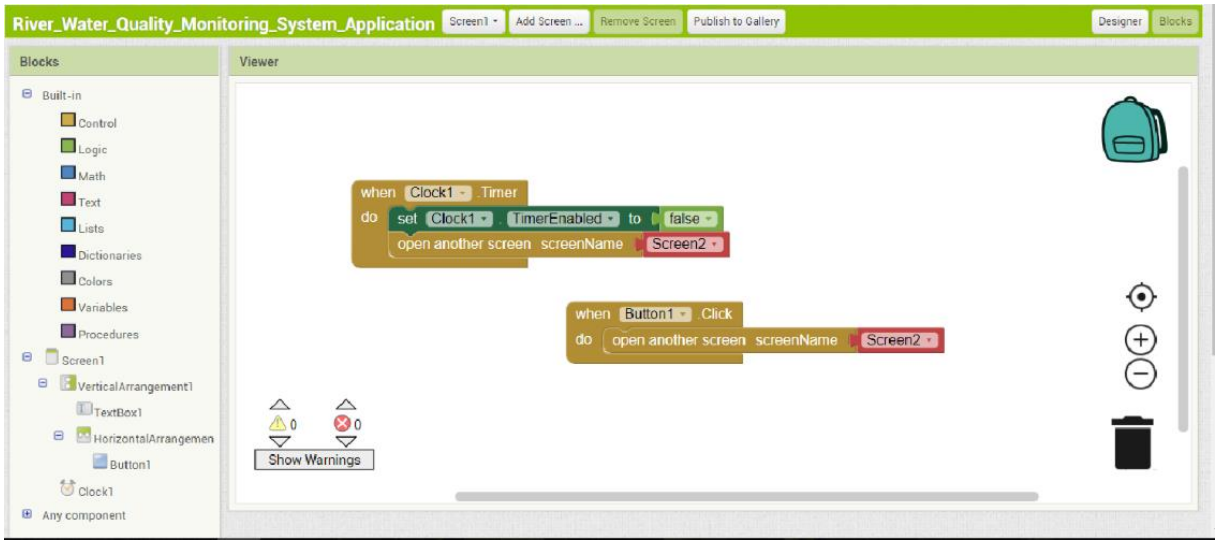

ENTER LOGIN CREDENTIALS
USER ID:
enter user id
PASSWORD:
enter password
LOGIN
FORGOT PASSWORD

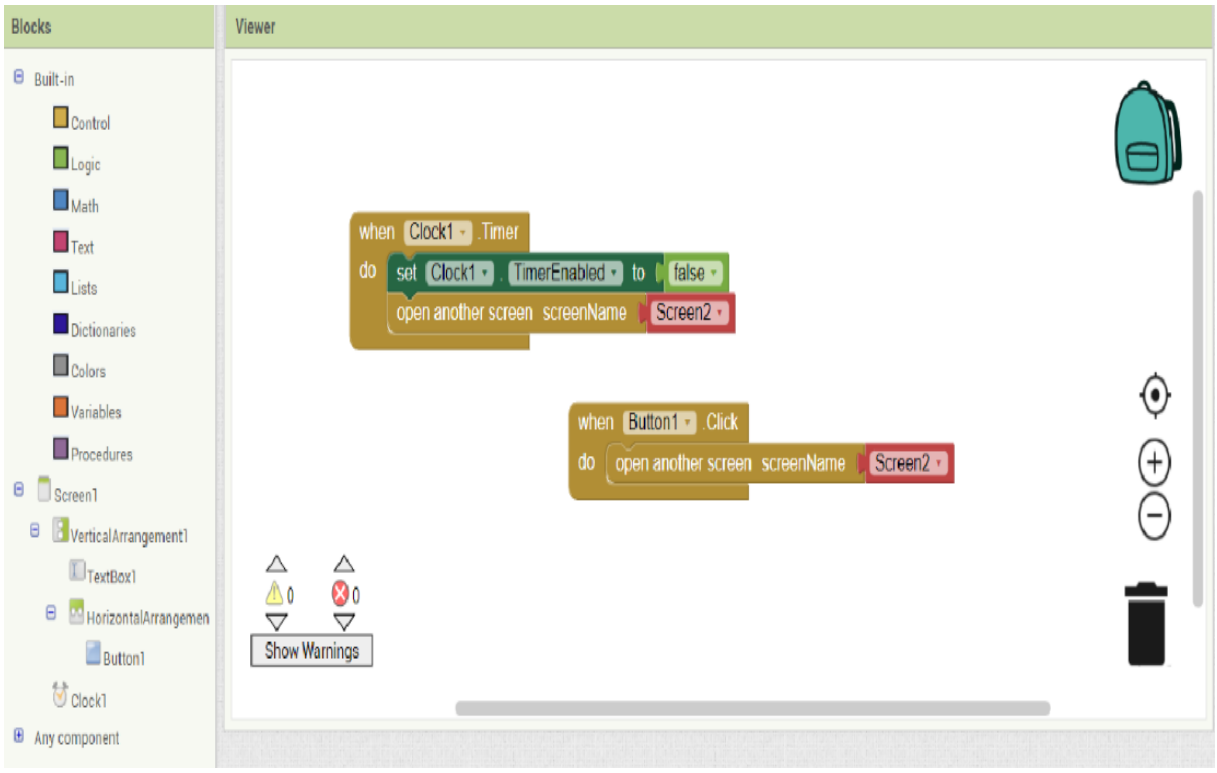

Temperature (c) : 34
Humidity (%) : 72
pH Value : 7

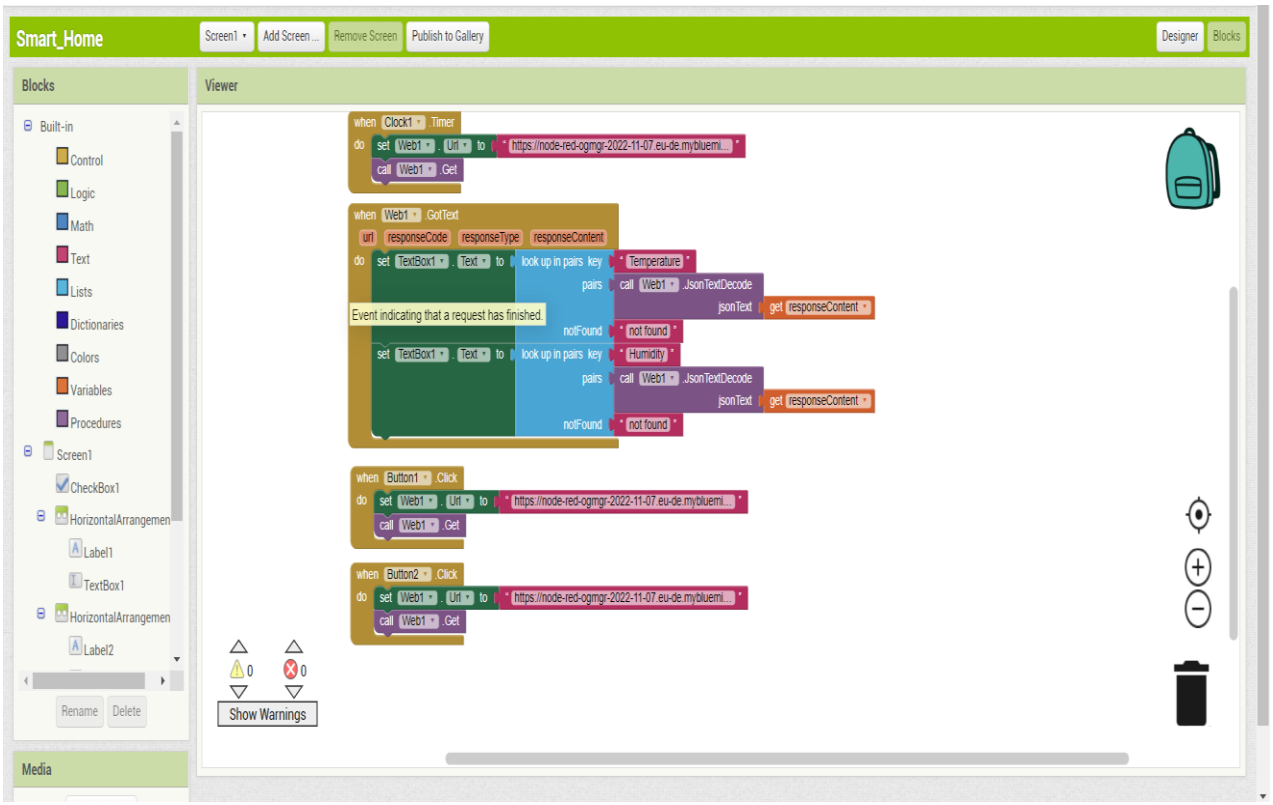
Temperature (c) : 30

Humidity (%) : 68

pH Value : 6


River_Water_Quality_Monitoring_System_Application
Screen1
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Blocks
Viewer
Built-in
Control
Logic
Math
Text
Lists
Dictionaries
Colors
Variables
Procedures
Screen1
VerticalArrangement1
TextBox1
HorizontalArrangemen
Button1
Clock1
Any component
when Clock1 .Timer
do set Clock1 . TimerEnabled to false
open another screen screenName Screen2
when Button1 .Click
do open another screen screenName Screen2
Show Warnings


Blocks
Viewer
Built-in
Control
Logic
Math
Text
Lists
Dictionaries
Colors
Variables
Procedures
Screen1
VerticalArrangement1
TextBox1
HorizontalArrangemen
Button1
Clock1
Any component
when Clock1 .Timer
do set Clock1 . TimerEnabled to false
open another screen screenName Screen2
when Button1 .Click
do open another screen screenName Screen2
Show Warnings


Smart_Home
Screen1
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Blocks
Built-in
Control
Logic
Math
Text
Lists
Dictionaries
Colors
Variables
Procedures
Screen1
CheckBox1
HorizontalArrangemen
Label1
TextBox1
HorizontalArrangemen
Label2
Rename
Delete
Media
Viewer
when Clock1 .Timer
do set Web1 . Url to https://node-red-ogmgr-2022-11-07.eu-de.mybluemi...
call Web1 .Get
when Web1 .GotText
url responseCode responseType responseContent
do set TextBox1 . Text to look up in pairs key Temperature
pairs call Web1 .JsonTextDecode
jsonText get responseContent
Event indicating that a request has finished.
notFound not found
set TextBox1 . Text to look up in pairs key Humidity
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound not found
when Button1 .Click
do set Web1 . Url to https://node-red-ogmgr-2022-11-07.eu-de.mybluemi...
call Web1 .Get
when Button2 .Click
do set Web1 . Url to https://node-red-ogmgr-2022-11-07.eu-de.mybluemi...
call Web1 .Get
0
0
Show Warnings