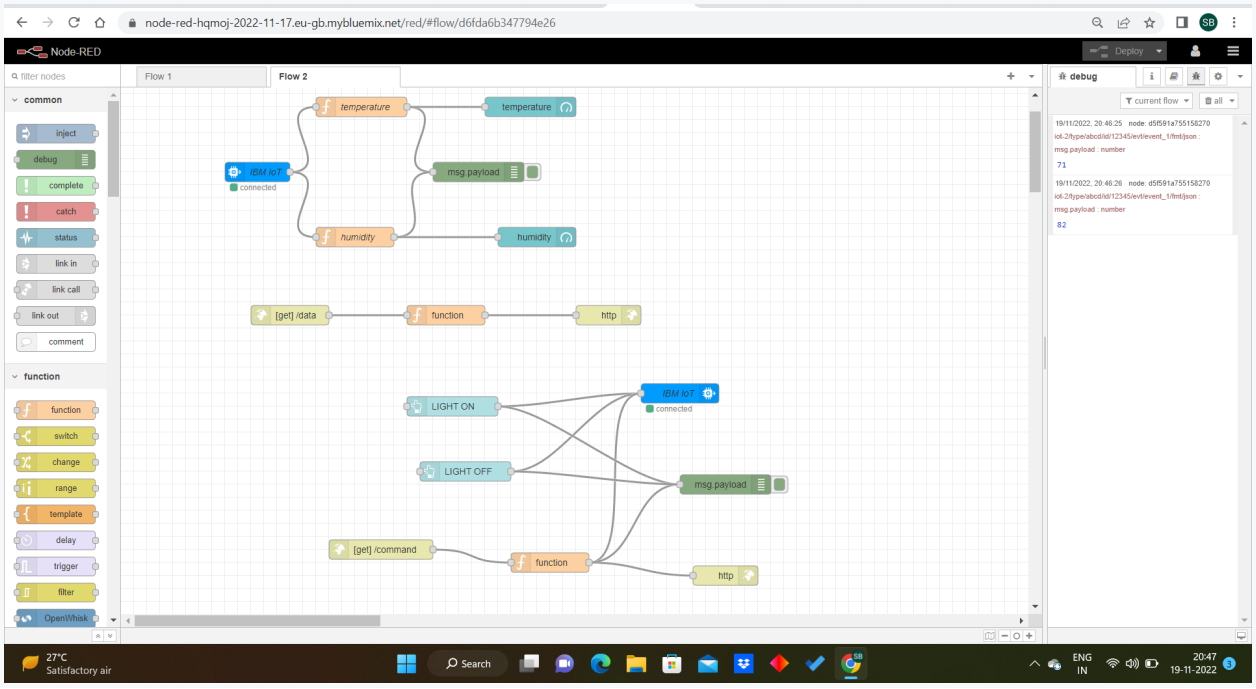
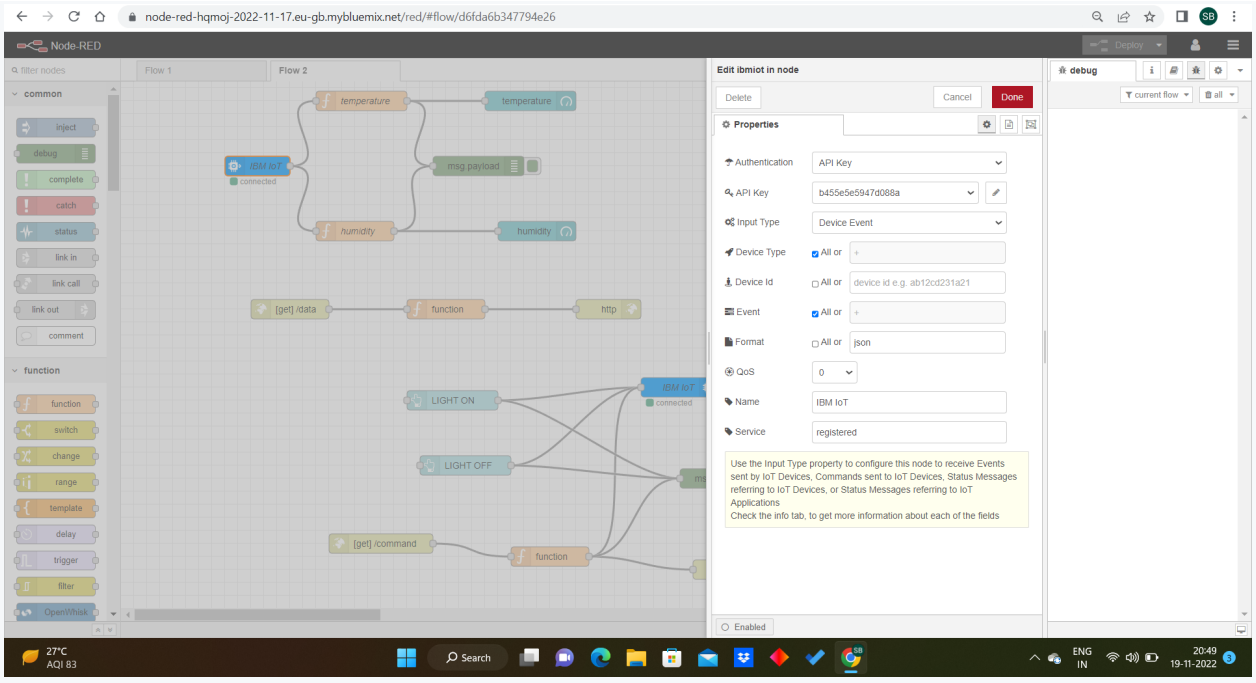
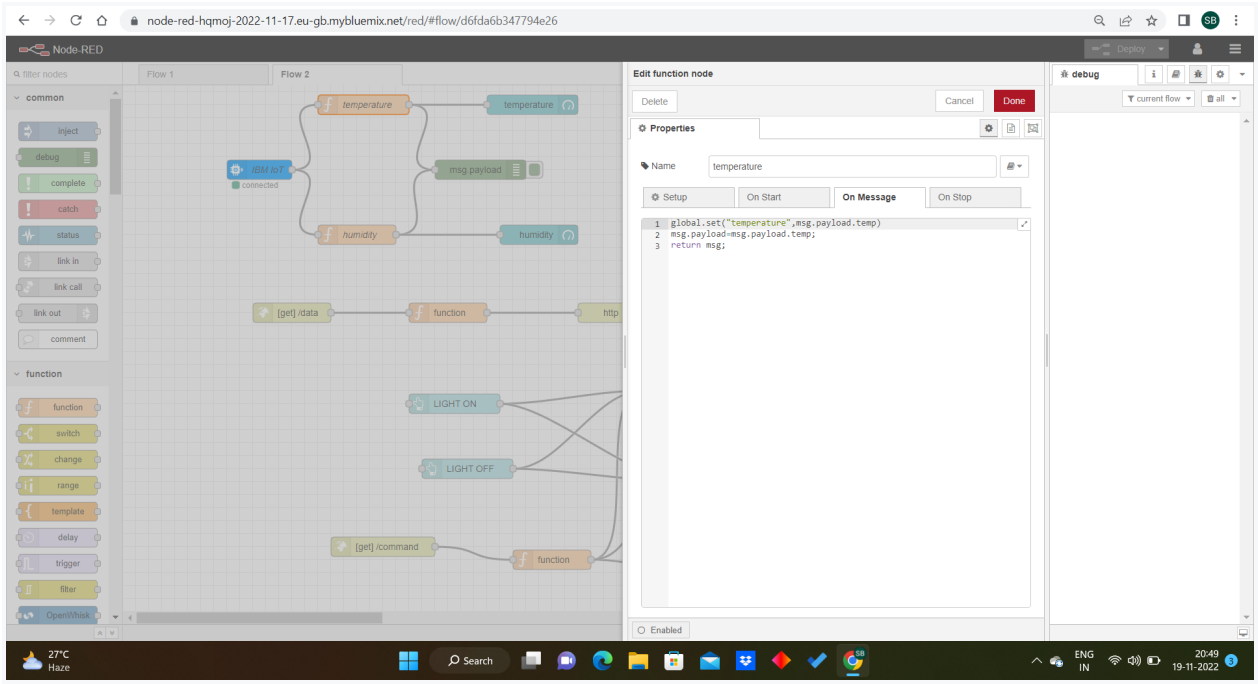
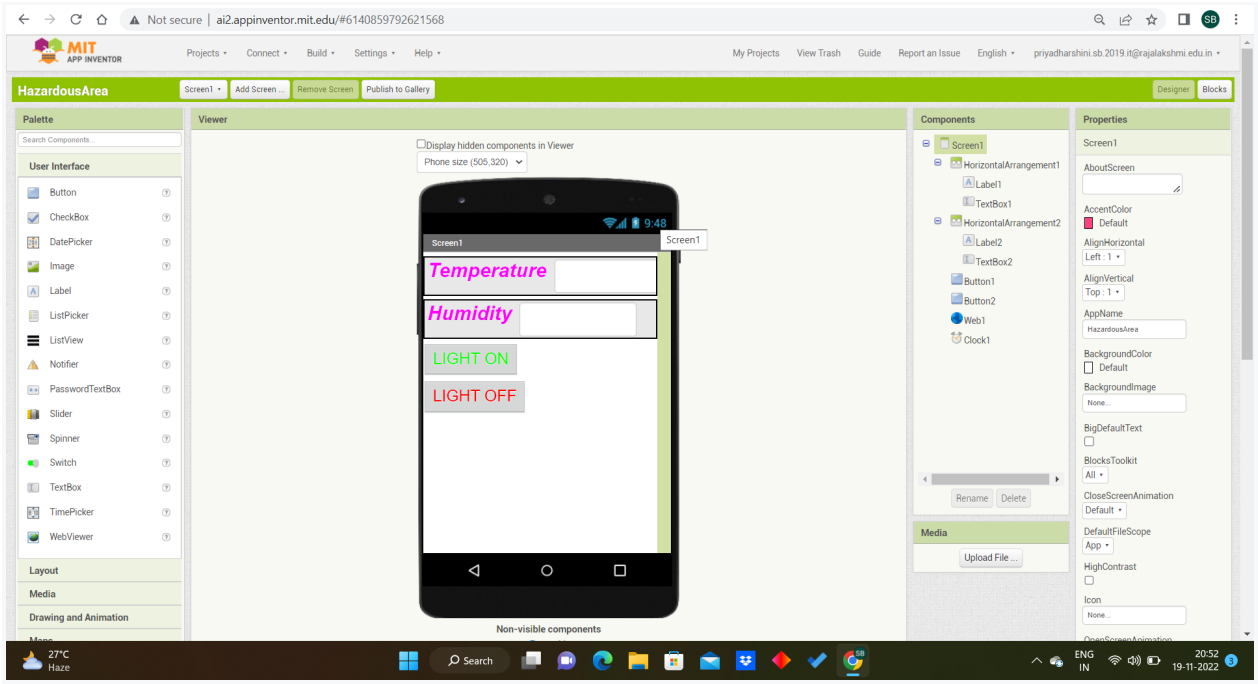
CONFIGURE THE MOBILE APP FOR CONTROLLING MOTOR USING BUTTONS

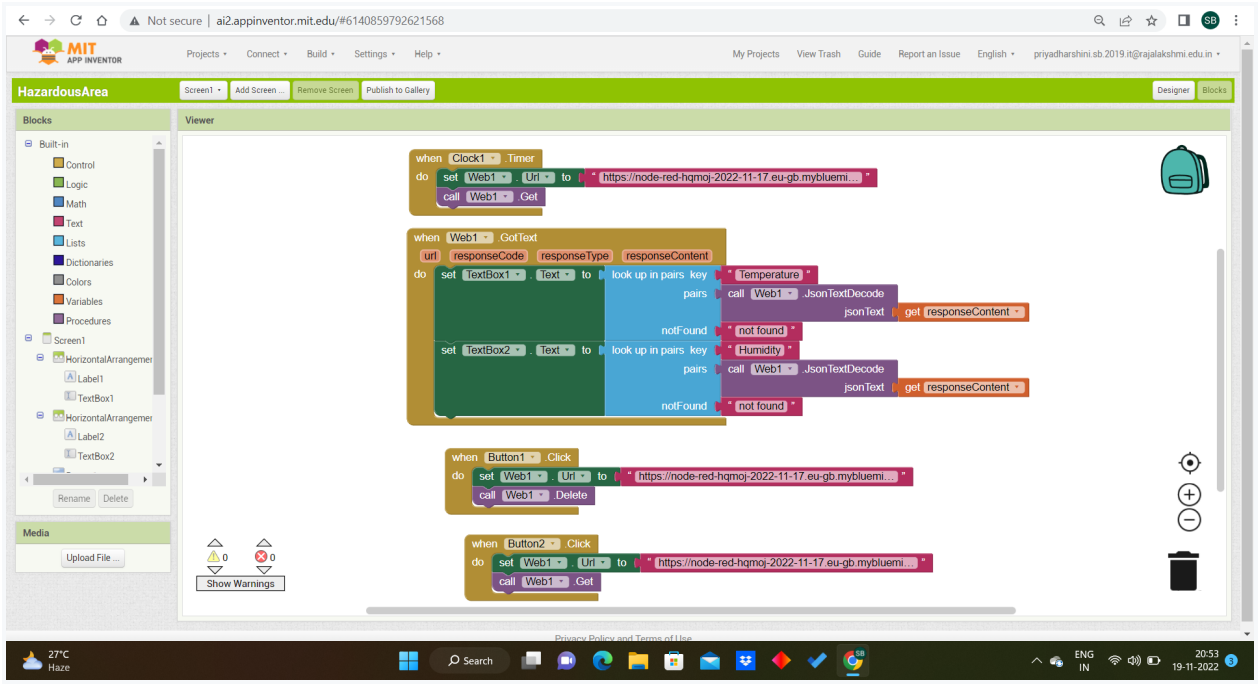
TEAM ID PNT2022TMID02630

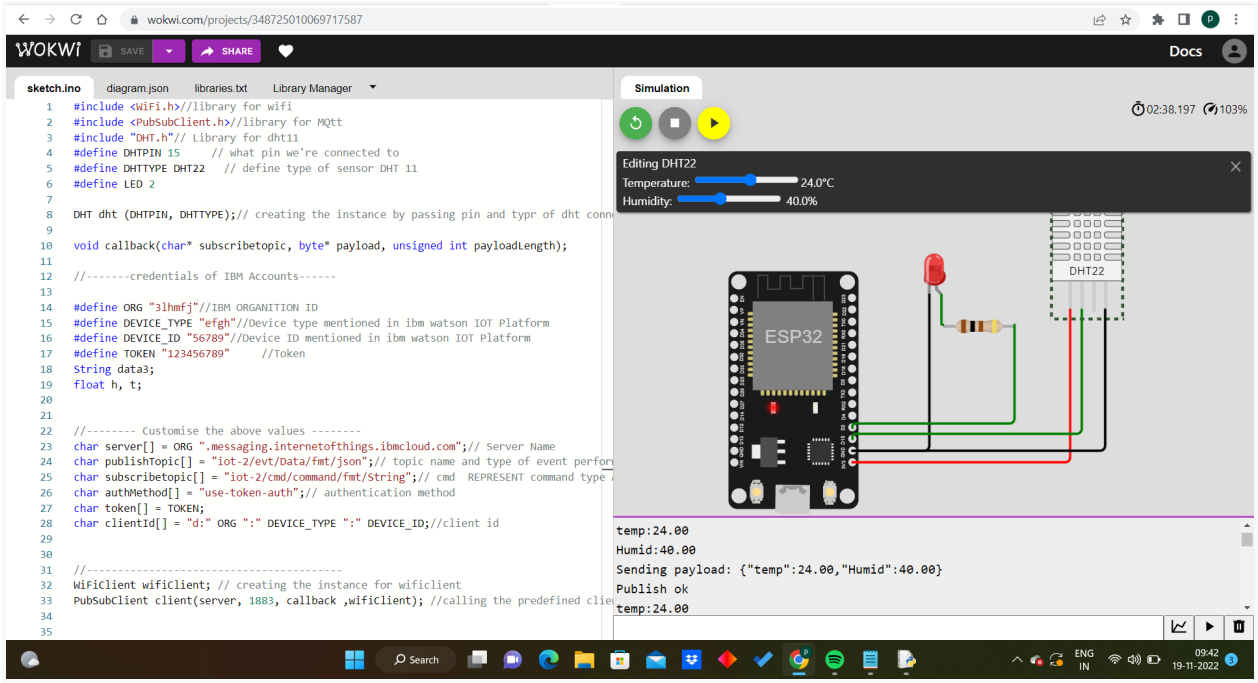





node-red-hqmoj-2022-11-17.eu-gb.mybluemix.net/red/#flow/d6fda6b347794e26
Node-RED
Flow 1
Flow 2
temperature
humidity
IBM IoT
connected
msg.payload
[get] /data
function
http
LIGHT ON
LIGHT OFF
[get] /command
Edit function node
Delete
Cancel
Done
Properties
Name
temperature
Setup
On Start
On Message
On Stop
global.set("temperature",msg.payload.temp)
msg.payload=msg.payload.temp;
return msg;
Enabled
debug
27°C
Haze
Search
ENG
IN
20:49
19-11-2022


Not secure | ai2.appinventor.mit.edu/#6140859792621568
MIT APP INVENTOR
Projects
Connect
Build
Settings
Help
My Projects
View Trash
Guide
Report an Issue
English
HazardousArea
Screen1
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Palette
User Interface
Button
CheckBox
DatePicker
Image
Label
ListPicker
ListView
Notifier
PasswordTextBox
Slider
Spinner
Switch
TextBox
TimePicker
WebViewer
Layout
Media
Drawing and Animation
Viewer
Display hidden components in Viewer
Phone size (505,320)
9:48
Screen1
Temperature
Humidity
LIGHT ON
LIGHT OFF
Non-visible components
Components
HorizontalArrangement1
Label1
TextBox1
HorizontalArrangement2
Label2
TextBox2
Button1
Button2
Web1
Clock1
Rename
Delete
Media
Upload File ...
Properties
AboutScreen
AccentColor
Default
AlignHorizontal
Left : 1
AlignVertical
Top : 1
AppName
HazardousArea
BackgroundColor
Default
BackgroundImage
None...
BigDefaultText
BlocksToolkit
All
CloseScreenAnimation
Default
DefaultFileScope
App
HighContrast
Icon
None...
27°C
Haze
Search
ENG
IN
20:52
19-11-2022


Not secure | ai2.appinventor.mit.edu/#6140859792621568
MIT APP INVENTOR
Projects
Connect
Build
Settings
Help
My Projects
View Trash
Guide
Report an Issue
English
priyadharshini.sb.2019.it@rajalakshmi.edu.in
HazardousArea
Screen1
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Blocks
Built-in
Control
Logic
Math
Text
Lists
Dictionaries
Colors
Variables
Procedures
Screen1
HorizontalArrangemer
Label1
TextBox1
HorizontalArrangemer
Label2
TextBox2
Rename
Delete
Media
Upload File ...
Viewer
when Clock1 .Timer
do set Web1 . Url to "https://node-red-hqmoj-2022-11-17.eu-gb.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
notFound "not found"
set TextBox2 . 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-hqmoj-2022-11-17.eu-gb.mybluemi..."
call Web1 .Delete
when Button2 .Click
do set Web1 . Url to "https://node-red-hqmoj-2022-11-17.eu-gb.mybluemi..."
call Web1 .Get
Show Warnings
Privacy Policy and Terms of Use
27°C
Haze
Search
ENG
IN
20:53
19-11-2022


wokwi.com/projects/348725010069717587
WOKWI
SAVE
SHARE
Docs
sketch.ino
diagram.json
libraries.txt
Library Manager
#include <WiFi.h>//library for wifi
#include <PubSubClient.h>//library for MQtt
#include "DHT.h"// Library for dht11
#define DHTPIN 15 // what pin we're connected to
#define DHTTYPE DHT22 // define type of sensor DHT 11
#define LED 2
DHT dht (DHTPIN, DHTTYPE);// creating the instance by passing pin and typr of dht conn
void callback(char* subscribetopic, byte* payload, unsigned int payloadLength);
//-------credentials of IBM Accounts------
#define ORG "3lhmfj"//IBM ORGANITION ID
#define DEVICE_TYPE "efgh"//Device type mentioned in ibm watson IOT Platform
#define DEVICE_ID "56789"//Device ID mentioned in ibm watson IOT Platform
#define TOKEN "123456789" //Token
String data3;
float h, t;
//-------- Customise the above values --------
char server[] = ORG ".messaging.internetofthings.ibmcloud.com";// Server Name
char publishTopic[] = "iot-2/evt/Data/fmt/json";// topic name and type of event perfor
char subscribetopic[] = "iot-2/cmd/command/fmt/String";// cmd REPRESENT command type
char authMethod[] = "use-token-auth";// authentication method
char token[] = TOKEN;
char clientId[] = "d:" ORG ":" DEVICE_TYPE ":" DEVICE_ID;//client id
//---
WiFiClient wifiClient; // creating the instance for wificlient
PubSubClient client(server, 1883, callback ,wifiClient); //calling the predefined clie
Simulation
02:38.197
103%
Editing DHT22
Temperature: 24.0°C
Humidity: 40.0%
ESP32
DHT22
temp:24.00
Humid:40.00
Sending payload: {"temp":24.00,"Humid":40.00}
Publish ok
temp:24.00
Search
ENG
IN
09:42
19-11-2022


7:05 PM
48.2KB/s
Screen1
Temperature
25
Humidity
82
LIGHT ON
LIGHT OFF