WATER CONSUMPTION MORNING

Here you can see the result our project gives the output and the it sence the water level and the data then then the how many times the tank is fulled is calculate the how many liter is consumed per day and we can control the water waste “save water”

Here we done the website for our project:

Click the “Click here to see the simulation of the project”

This is the python script for this project:

```
BLYNK_TEMPLATE_ID = "TMPLlcLQu4bQ"

BLYNK_TEMPLATE_NAME = "water monitor"

BLYNK_AUTH_TOKEN = "OgvenxCWu9sG7-9deFGLFCLE4rWCGW7N"

ssid = "Wokwi-GUEST"

pass = ""

emptyTankDistance = 150

fullTankDistance = 40

triggerPer = 10

from Adafruit_SSD1306 import Adafruit_SSD1306
```

```
from wifi import WiFi
from wifiClient import WiFiClient
from blynkSimpleEsp32 import BlynkSimpleEsp32
from aceButton import AceButton
TRIGPIN = 27
ECHOPIN = 26
wifiLed = 2
BuzzerPin = 13
RelayPin = 14
ButtonPin1 = 12
ButtonPin2 = 33
ButtonPin3 = 32
fullpin = 25
VPIN_BUTTON_1 = V1
VPIN_BUTTON_2 = V2
VPIN_BUTTON_3 = V3
VPIN_BUTTON_4 = V4
VPIN_BUTTON_5 = V5
SCREEN_WIDTH = 128
SCREEN_HEIGHT = 32
OLED_RESET = -1
display = Adafruit_SSD1306(SCREEN_WIDTH, SCREEN_HEIGHT, Wire, OLED_RESET)
duration = 0.0
distance = 0.0
waterLevelPer = 0
toggleBuzzer = True
toggleRelay = False
modeFlag = True
conection = True
currMode = ""
```

auth = BLYNK_AUTH_TOKEN

config1 = ButtonConfig()

button1 = AceButton(config1)

config2 = ButtonConfig()

button2 = AceButton(config2)

config3 = ButtonConfig()

button3 = AceButton(config3)

def handleEvent1(button, eventType, buttonState):

    pass

def handleEvent2(button, eventType, buttonState):

    pass

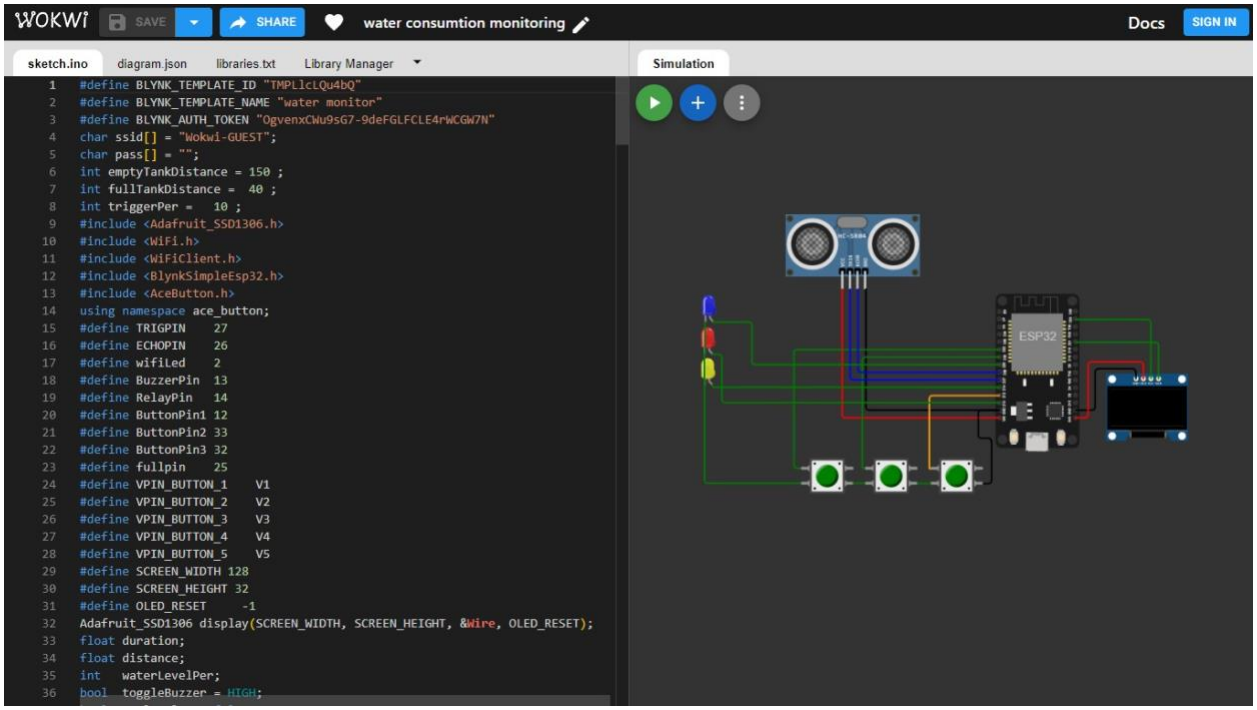
def handleEvent3(button, eventType, buttonState):

    pass

timer = BlynkTimer()

def checkBlynkStatus():

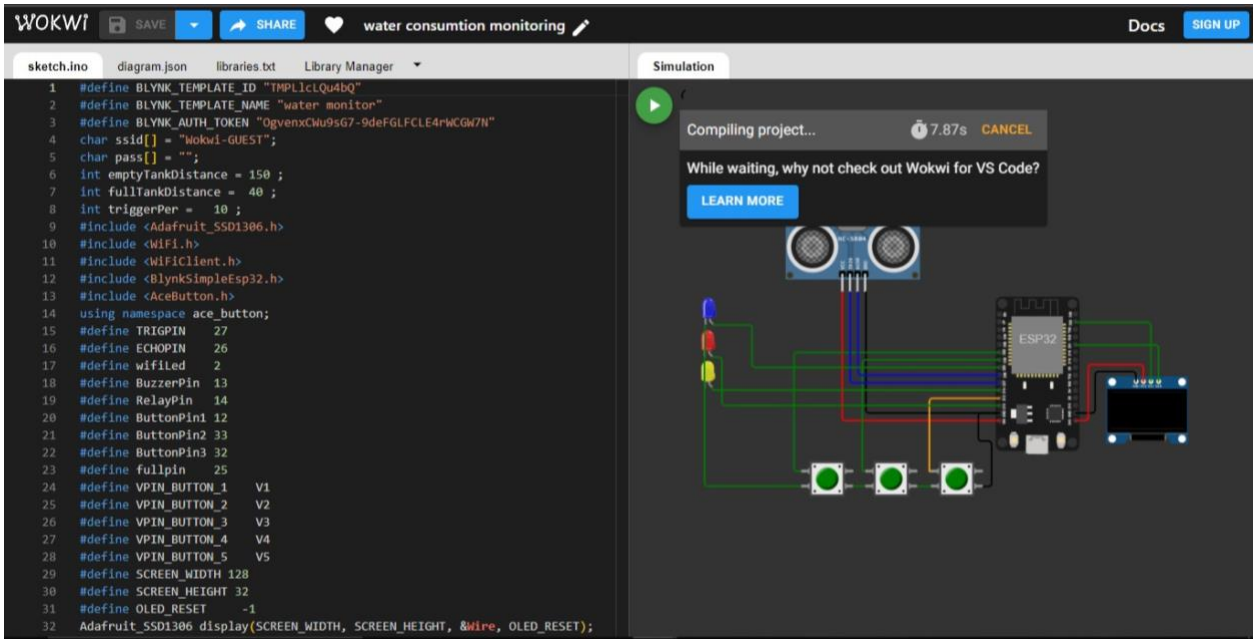
    passThen this page will open



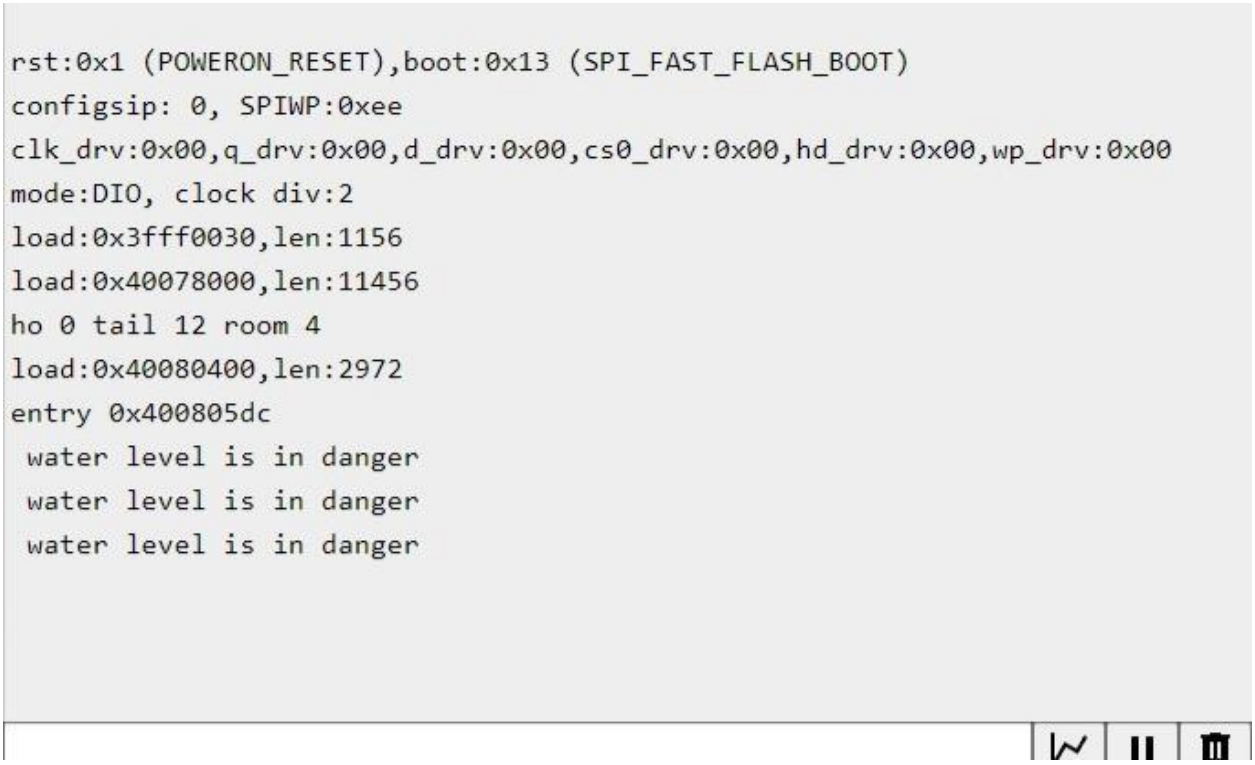
This is the simulation of the project

I change the microcontroller board because of there is no simulator for raspberry pi

Then run the program:



Output of the project is;



This is the link of the website check and simulat:

https://waterconsumptionmonitoring.mydurable.com/#https:/wokwi.com/projects/379653611941141505