**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

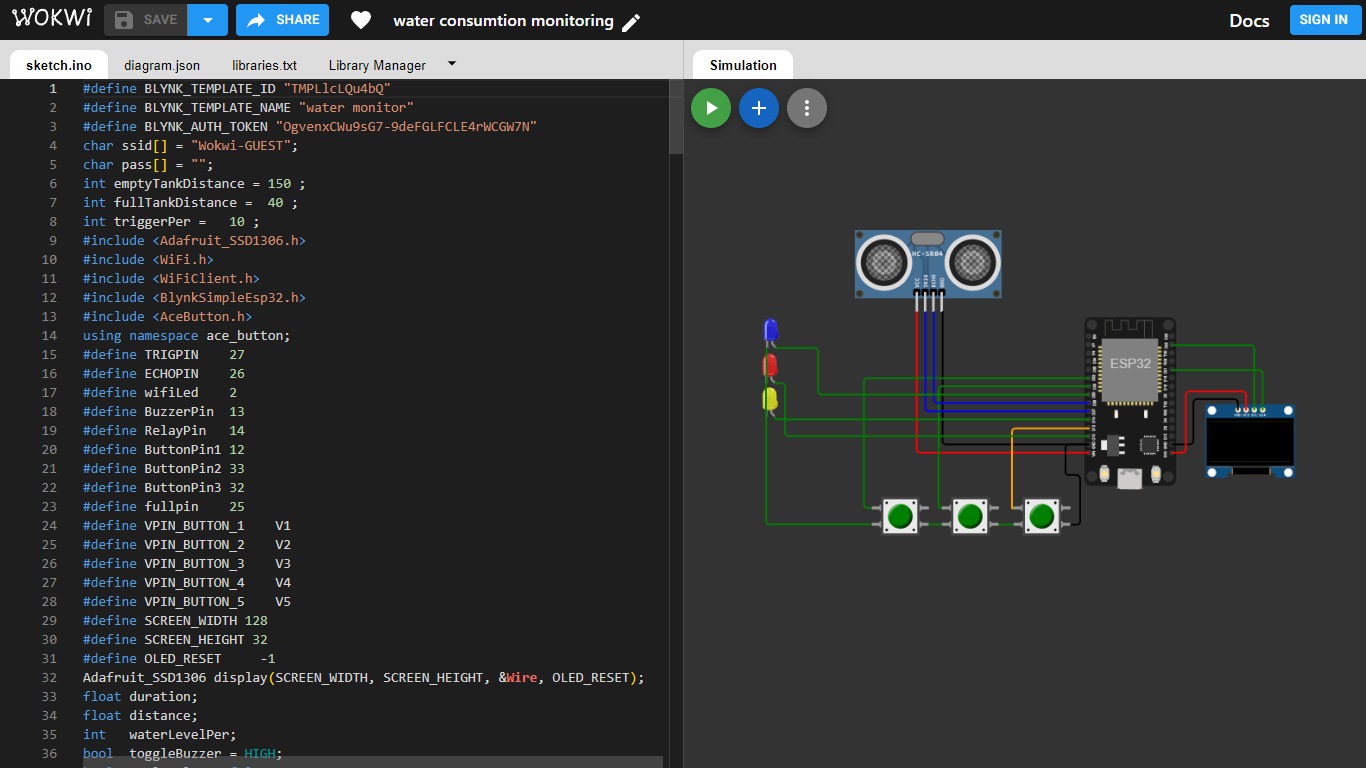
def handleEvent3(button, eventType, buttonState):

pass

timer = BlynkTimer()

def checkBlynkStatus():

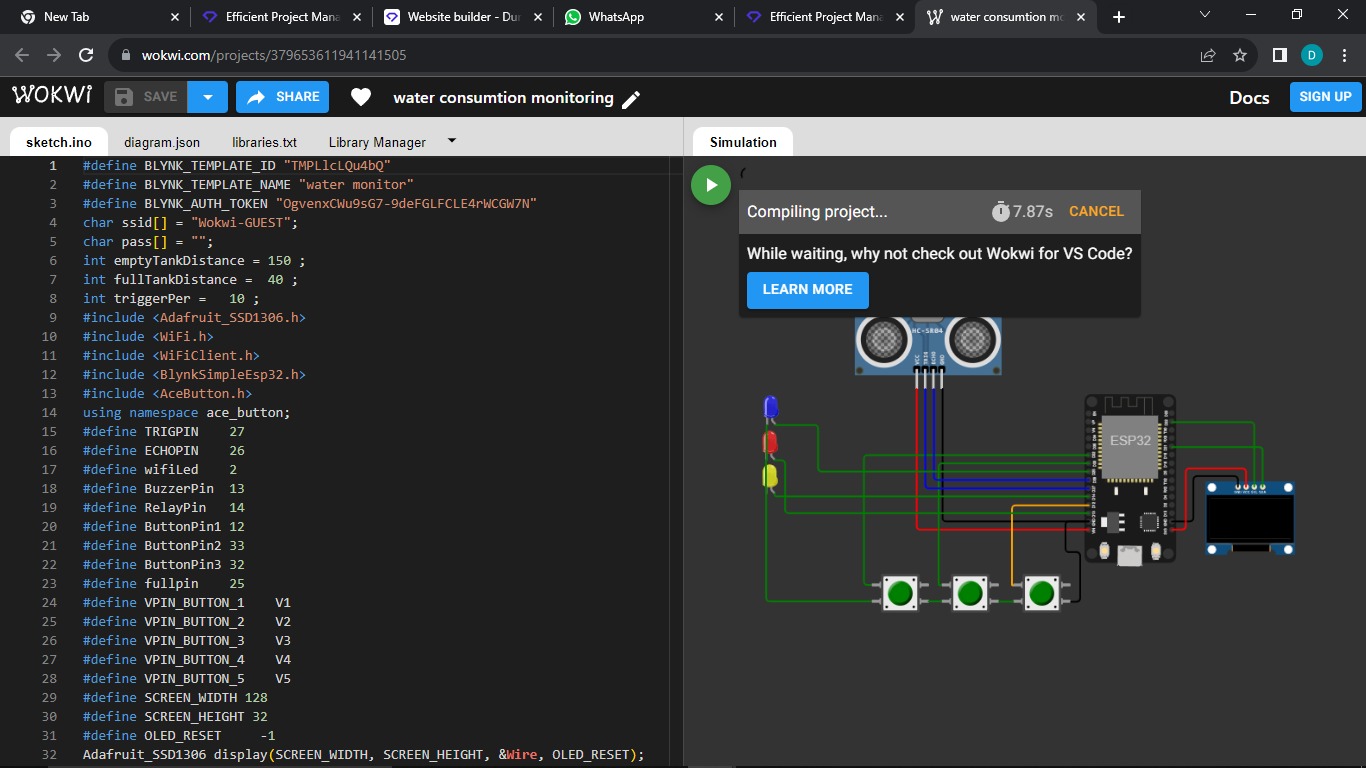
passThen this page will open

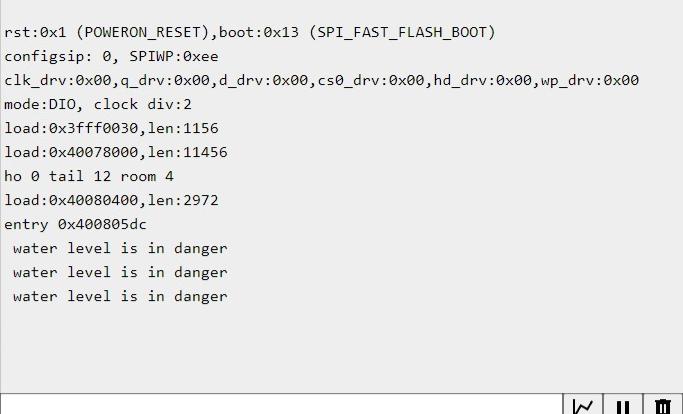


This is the simulation of the project

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://waterqualitymonitoring.mydurable.com>