ASSIGNMENT-4

1) #include "BluetoothSerial.h"

int trigpin=26;

int echopin=27;

BluetoothSerial SerialBT;

void setup() {

// put your setup code here, to run once:

pinMode(4,OUTPUT);

Serial.begin(115200);

Serial.println("data");

delay(3000);

SerialBT.begin("ESP32test"); //Bluetooth device name

Serial.println("The device has started, now you can pair it with bluetooth!");

pinMode(echopin,INPUT);

pinMode(trigpin,OUTPUT);

}

void loop() {

// put your main code here, to run repeatedly:

if (Serial.available()) {

SerialBT.write(Serial.read());

}

if (SerialBT.available()) {

Serial.write(SerialBT.read());

}

digitalWrite(trigpin,HIGH);

delay(1000);digitalWrite(trigpin,LOW);

2) #include "BluetoothSerial.h"

#if !defined(CONFIG\_BT\_ENABLED) || !defined(CONFIG\_BLUEDROID\_ENABLED)

#error Bluetooth is not enabled! Please run `make menuconfig` to and enable it

#endif

BluetoothSerial SerialBT;

int selected;

char supply;

const char turnON ='O';

const char turnOFF ='F';

const int LEDpin = 2;

void setup() {

Serial.begin(115200);

SerialBT.begin("ESP32");

Serial.println("The device started, now you can pair it with bluetooth!");

Serial.println("To turn ON WATER SUPPLY CHOOSE: O");

Serial.println("To turn OFF WATER SUPPLY CHOOSE: F");

pinMode(LEDpin, OUTPUT);

}

void loop() {

supply =(char)SerialBT.read();

if (Serial.available()) {

SerialBT.write(Serial.read());