IOT Assignment 2

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18097

1.

// C++ code

//

void setup()

{

pinMode(13, OUTPUT);

pinMode(10,OUTPUT);

pinMode(8,OUTPUT);

}

void loop()

{

digitalWrite(10, HIGH);

delay(3000); // Wait for 3000 millisecond(s)

digitalWrite(10, LOW);

digitalWrite(13, HIGH);

delay(2000); // Wait for 2000 millisecond(s)

digitalWrite(13, LOW);

digitalWrite(8, HIGH);

delay(3000); // Wait for 3000 millisecond(s)

digitalWrite(8, LOW);

}

2.

// C++ code

//

void setup()

{

pinMode(13, OUTPUT);

pinMode(1, INPUT);

pinMode(10, OUTPUT);

pinMode(2, INPUT);

pinMode(8, OUTPUT);

pinMode(7, INPUT);

}

void loop()

{

if (digitalRead(1)==HIGH){

digitalWrite(13, HIGH);

digitalWrite(10, LOW);

digitalWrite(8, LOW);

}

else if (digitalRead(2)==HIGH){

digitalWrite(10,HIGH);

digitalWrite(13, LOW);

digitalWrite(8, LOW);

}

else if (digitalRead(7)==HIGH){

digitalWrite(8,HIGH);

digitalWrite(10, LOW);

digitalWrite(13, LOW);

}

}