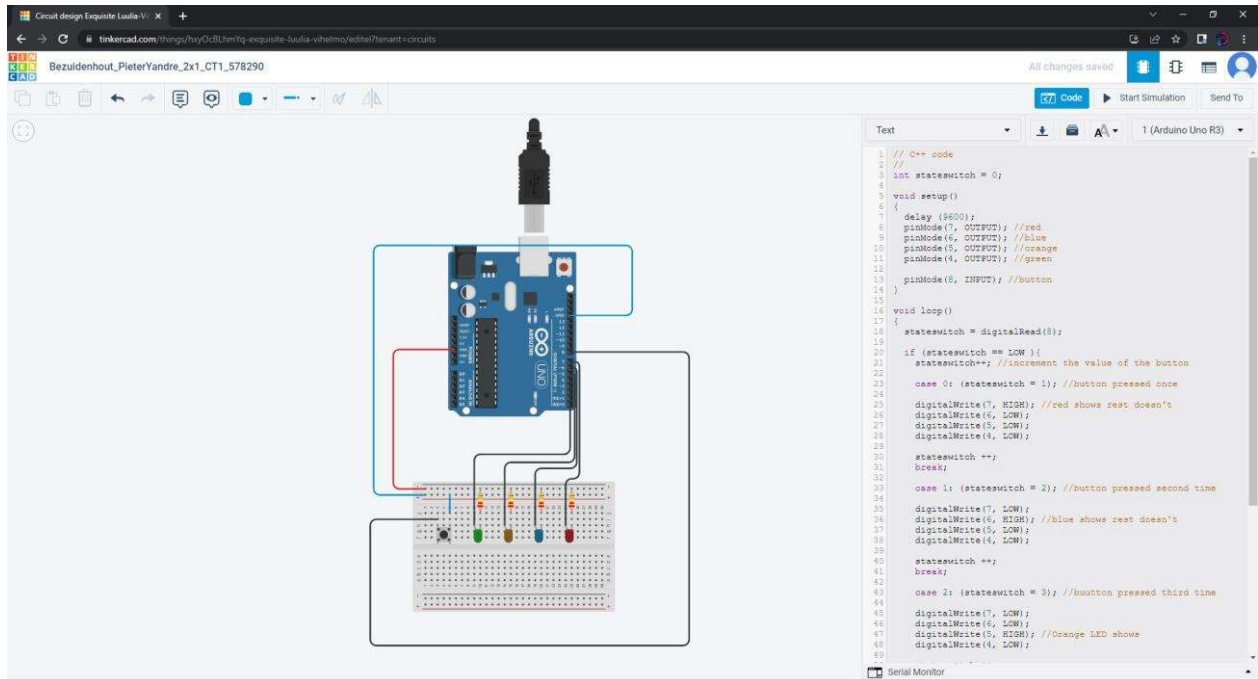


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IOT 2x1 CT1



// C++ code

//

int stateswitch = 0;

void setup()

{

 delay(9600);

 pinMode(7, OUTPUT); //red

 pinMode(6, OUTPUT); //blue

 pinMode(5, OUTPUT); //orange

 pinMode(4, OUTPUT); //green

 pinMode(8, INPUT); //button

```
}
```

```
void loop()
```

```
{
```

```
    stateswitch = digitalRead(8);
```

```
    if (stateswitch == LOW){
```

```
        stateswitch++; //increment the value of the button
```

```
        case 0: (stateswitch = 1); //button pressed once
```

```
            digitalWrite(7, HIGH); //red shows rest doesn't
```

```
            digitalWrite(6, LOW);
```

```
            digitalWrite(5, LOW);
```

```
            digitalWrite(4, LOW);
```

```
        stateswitch++;
```

```
        break;
```

```
        case 1: (stateswitch = 2); //button pressed second time
```

```
            digitalWrite(7, LOW);
```

```
            digitalWrite(6, HIGH); //blue shows rest doesn't
```

```
            digitalWrite(5, LOW);
```

```
            digitalWrite(4, LOW);
```

```
        stateswitch++;
```

```
        break;
```

case 2: (stateswitch = 3); //buutton pressed third time

digitalWrite(7, LOW);

digitalWrite(6, LOW);

digitalWrite(5, HIGH); //Orange LED shows

digitalWrite(4, LOW);

stateswitch ++;

break;

case 3: (stateswitch = 4); //button pressed fourth time

digitalWrite(7, LOW);

digitalWrite(6, LOW);

digitalWrite(5, LOW);

digitalWrite(4, HIGH); //green shows

stateswitch ++;

break;

default();

break;

}

}