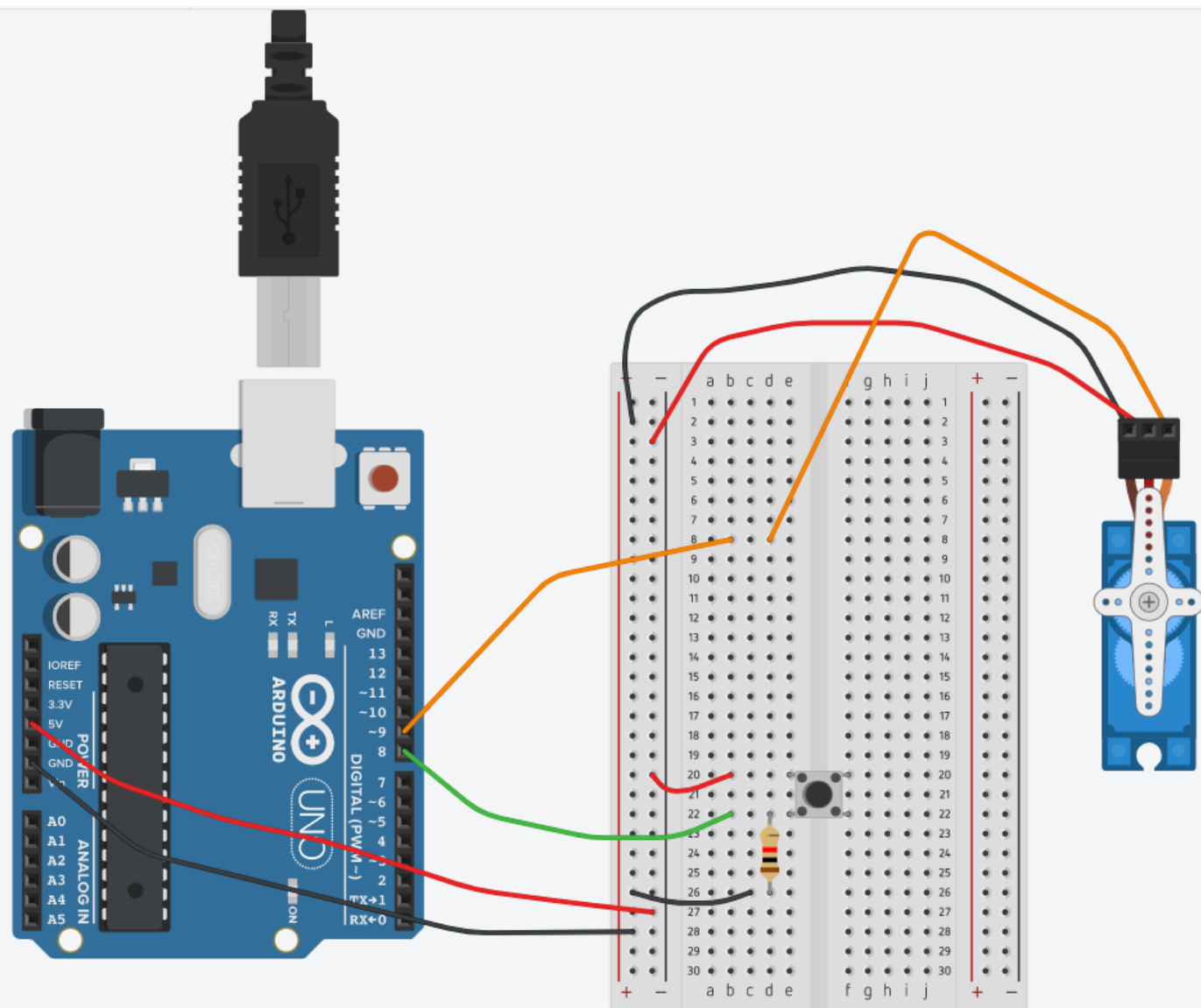


스위치를 연결해서 서보모터를 제어해보자



문자



1 (Arduino Uno R3)

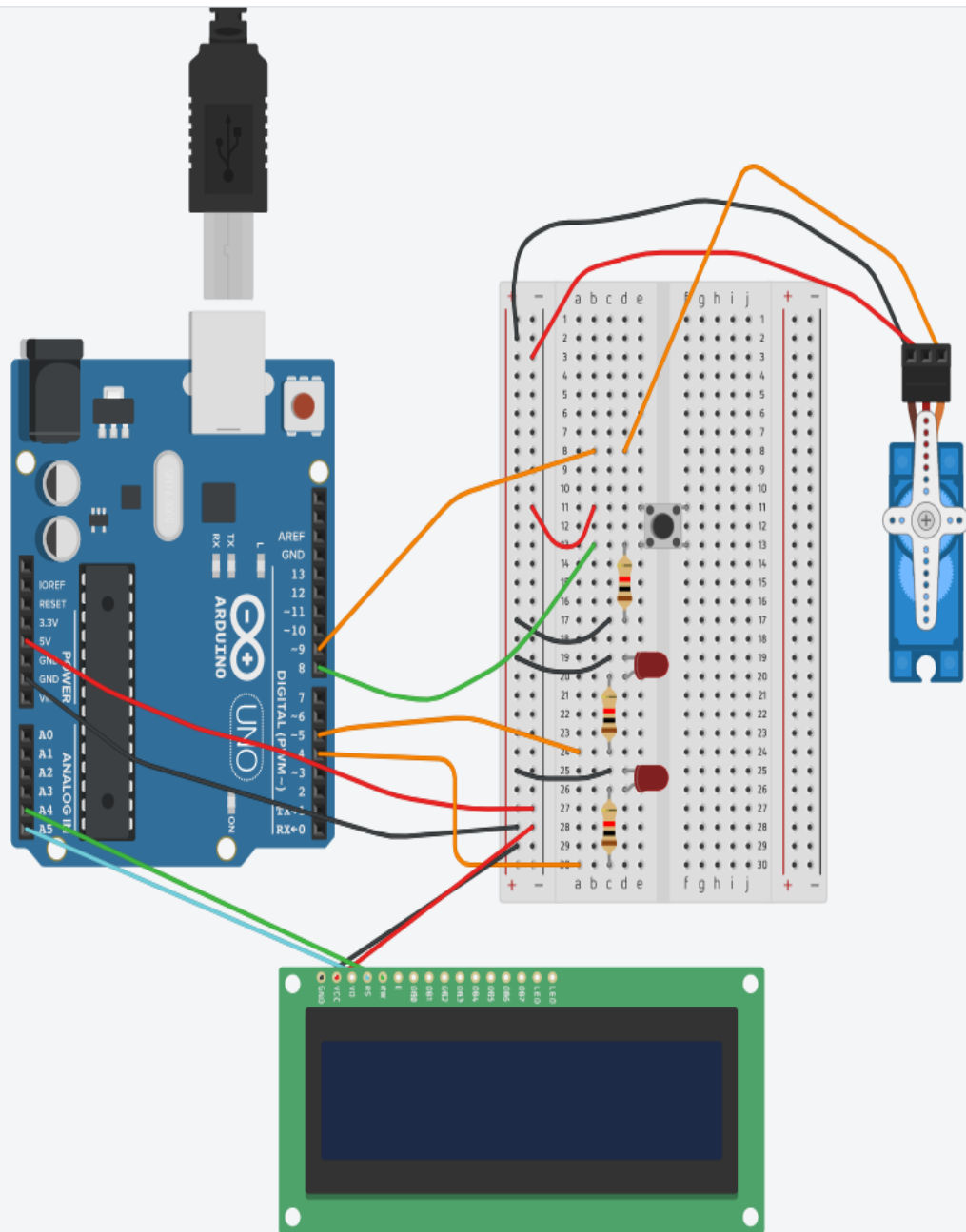
```
1 // C++ code
2 //
3 #include <Servo.h>
4
5 Servo myServo;
6 int angle = 0;
7 void setup()
8 {
9   myServo.attach(9);
10  pinMode(8, INPUT);
11 }
12
13 void loop()
14 {
15   if(digitalRead(8) == LOW){
16     if(angle == 90){
17     }
18     else{
19       for(angle = 0; angle <= 90; angle++){
20         myServo.write(angle);
21         delay(15);
22       }
23     }
24   }
25   else{
26     for(angle = 90; angle >= 0; angle--){
27       myServo.write(angle);
28       delay(15);
29     }
30   }
31 }
```

LCD에 학번과 이름을 표시해보자

```
#include <LiquidCrystal_I2C.h>

LiquidCrystal_I2C lcd(0x27, 16, 2);
void setup() {
  // put your setup code here, to run once:
  lcd.init();
  lcd.backlight();
}

void loop() {
  // put your main code here, to run repeatedly:
  lcd.setCursor(0,0);
  lcd.print("201844050");
  lcd.setCursor(1,1);
  lcd.print("park seung min");
}
```



C-LCD, 서보 모터, KEY 1개,
LED 2개가 동작할 수 있도록
연결하여 결선도를 그려라.