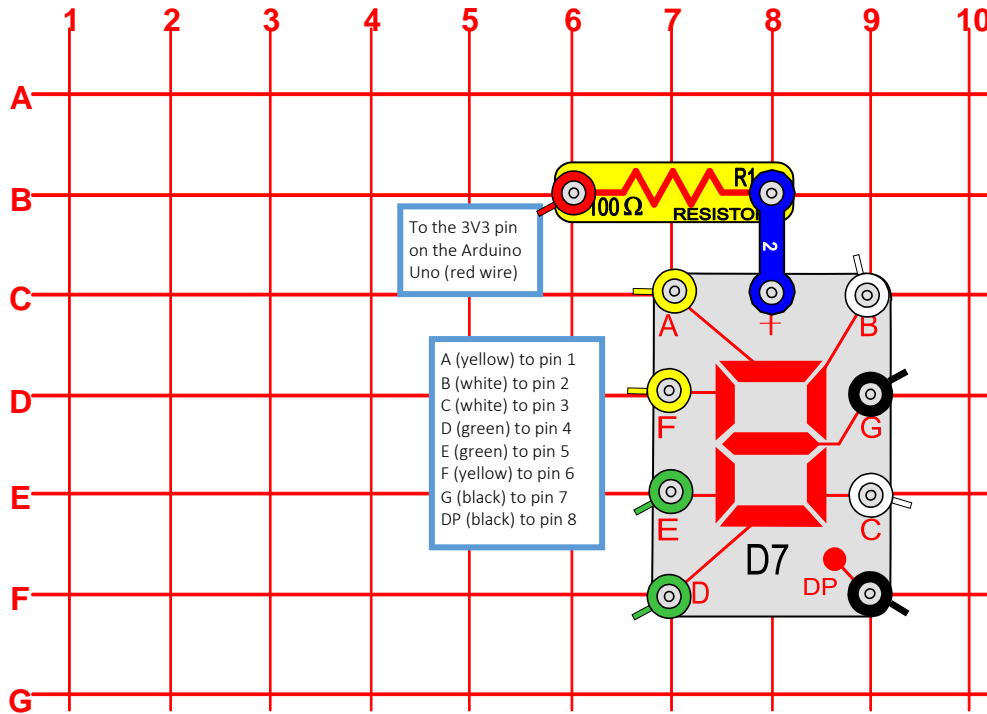


Seven Segment Display



OBJECTIVE: Count from 0 to 9 on a seven segment display.

Parts List

Quantity	ID	Name	Part #
1		Base Grid Base Grid (11 x 7.7)	6SCBG
1		2-snap wire	6SC02
1	D7	Seven Segment Display	6SCD7
1	R1	100 Ω Resistor	6SCR1
9		Snap-to-Pin wire	SCJW10

Step by Step Guide

- 1) Snap component **R1** between **B6** and **B8**
- 2) Snap the component **D7** between **C7**, **C9**, **F7** and **F9**
- 3) Snap a 2 snap wire over the components between **B8** and **C8**
- 4) Connect the snap end of a **red** wire onto the component at position **B6**
- 5) Plug the male pin end of the **red** wire from step 4 into the **3V3** pin on the Arduino Uno board
- 6) Connect the snap end of a **yellow** wire onto the component at position **C7**
- 7) Plug the bread board end of the **yellow** wire from step 6 into **pin 1** on the Arduino Uno board
- 8) Connect the snap end of a **yellow** wire onto the component at position **D7**
- 9) Plug the bread board end of the **yellow** wire from step 8 into **pin 2** on the Arduino Uno board
- 10) Connect the snap end of a **green** wire onto the component at position **E7**
- 11) Plug the bread board end of the **green** wire from step 10 into **pin 3** on the Arduino Uno board
- 12) Connect the snap end of a **green** wire onto the component at position **F7**

Step by Step Guide (continued)

- 13) Plug the bread board end of the **green** wire from step 12 into **pin 4** on the Arduino Uno board
- 14) Connect the snap end of a **white** wire onto the component at position **C9**
- 15) Plug the bread board end of the **white** wire from step 14 into **pin 5** on the Arduino Uno board
- 16) Connect the snap end of a **black** wire onto the component at position **D9**
- 17) Plug the bread board end of the **black** wire from step 16 into **pin 6** on the Arduino Uno board
- 18) Connect the snap end of a **white** wire onto the component at position **E9**
- 19) Plug the bread board end of the **white** wire from step 18 into **pin 7** on the Arduino Uno board
- 20) Connect the snap end of a **black** wire onto the component at position **F9**
- 21) Plug the bread board end of the **black** wire from step 16 into **pin 8** on the Arduino Uno board
- 22) Open the sketch for Seven Segment Display in the Arduino IDE and upload it to the board.