Common Cathode 7-Segment Display

Arduino Pin	7-Segment Pin	7-Segment Letter
2	7	A
3	6	B
4	4	C
5	2	D
6	1	E
7	9	F
8	10	G
GND	8	
GND	3	

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Project Objectives

- In this project you will learn:

  - How a seven segment display works

  - How to connect a seven segment display in a circuit

  - The difference between a common anode and a common cathode seven segment display

Parts

- Arduino Uno

- USB A-B cable

- Breadboard

- 7 x 220 Ω resistors

- 7-Segment Display (Common Cathode)

- Push Button Switch

- Connecting wires
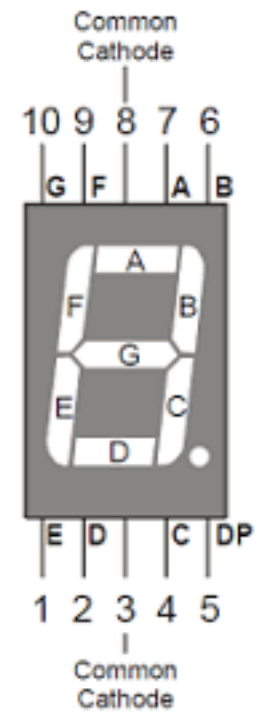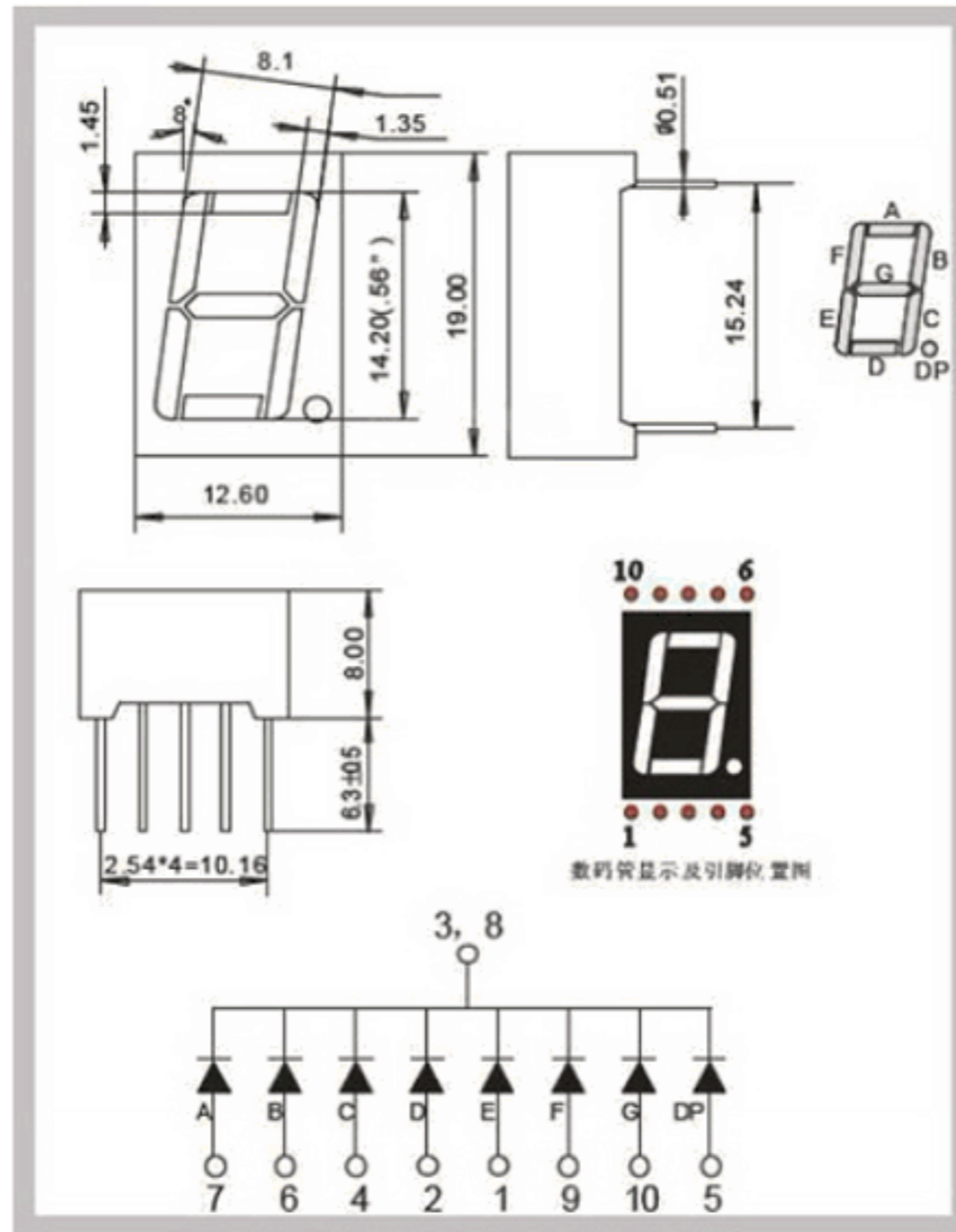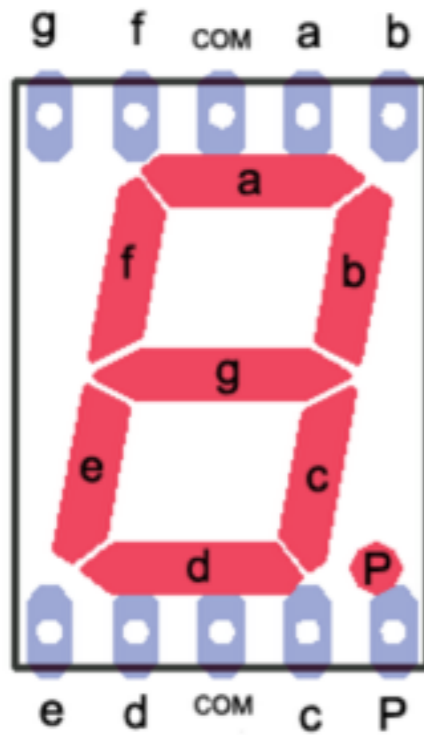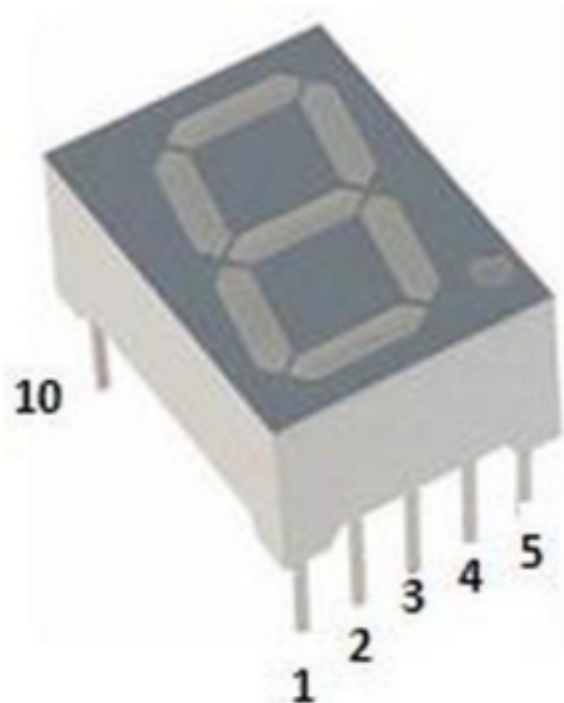
Seven Segment Displays

Common Anode vs Common Cathode

Circuit Diagram 1

Common Cathode 7-Segment Display

Arduino Pin	7-Segment Pin	7-Segment Letter
2	7	A
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4	4	C
5	2	D
6	1	E
7	9	F
8	10	G
GND	8	
GND	3	

Circuit Diagram 2

Common Cathode 7–Segment Display

Arduino Pin	7-Segment Pin	7-Segment Letter
2	7	A
3	6	B
4	4	C
5	2	D
6	1	E
7	9	F
8	10	G
GND	8	
GND	3	

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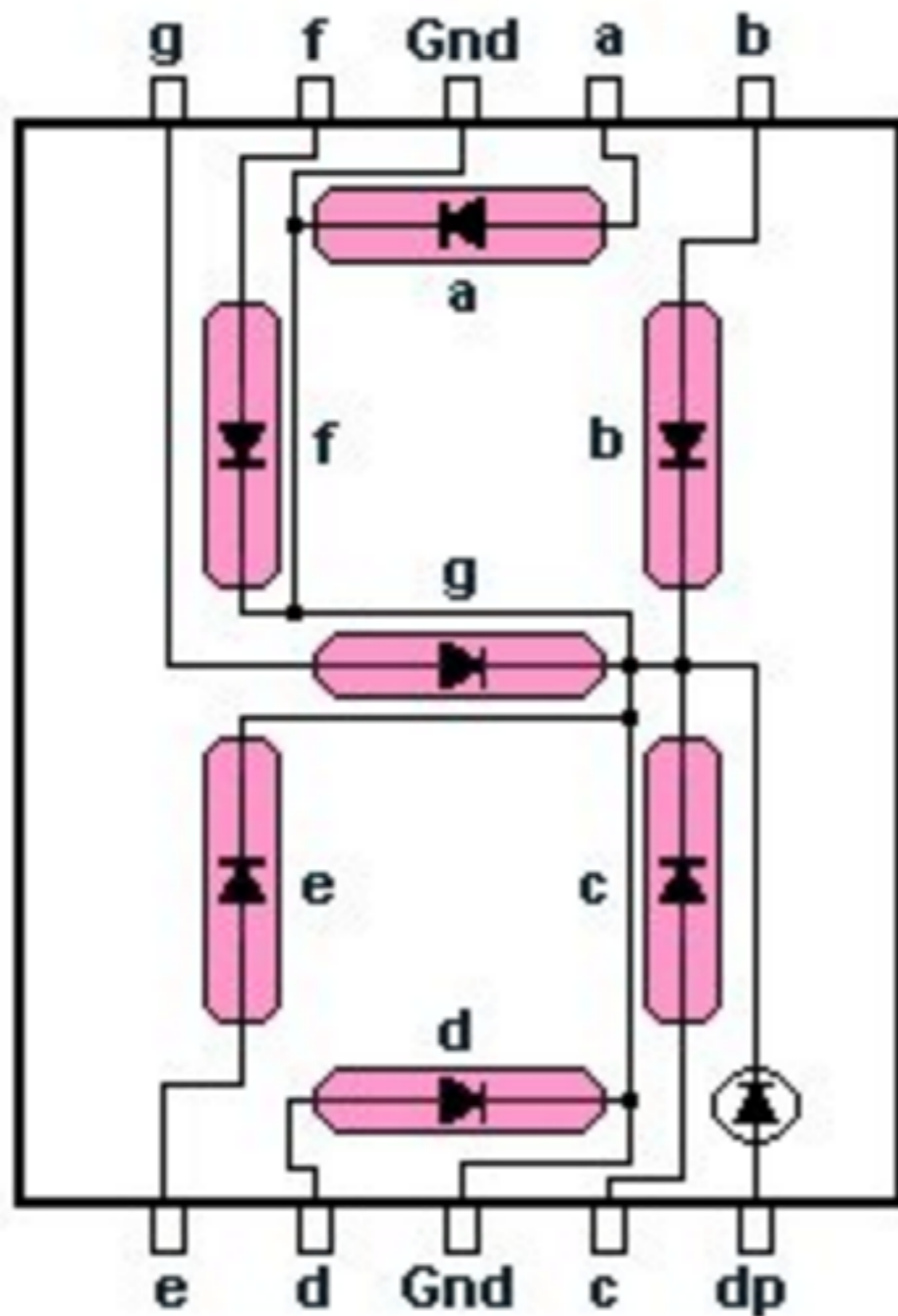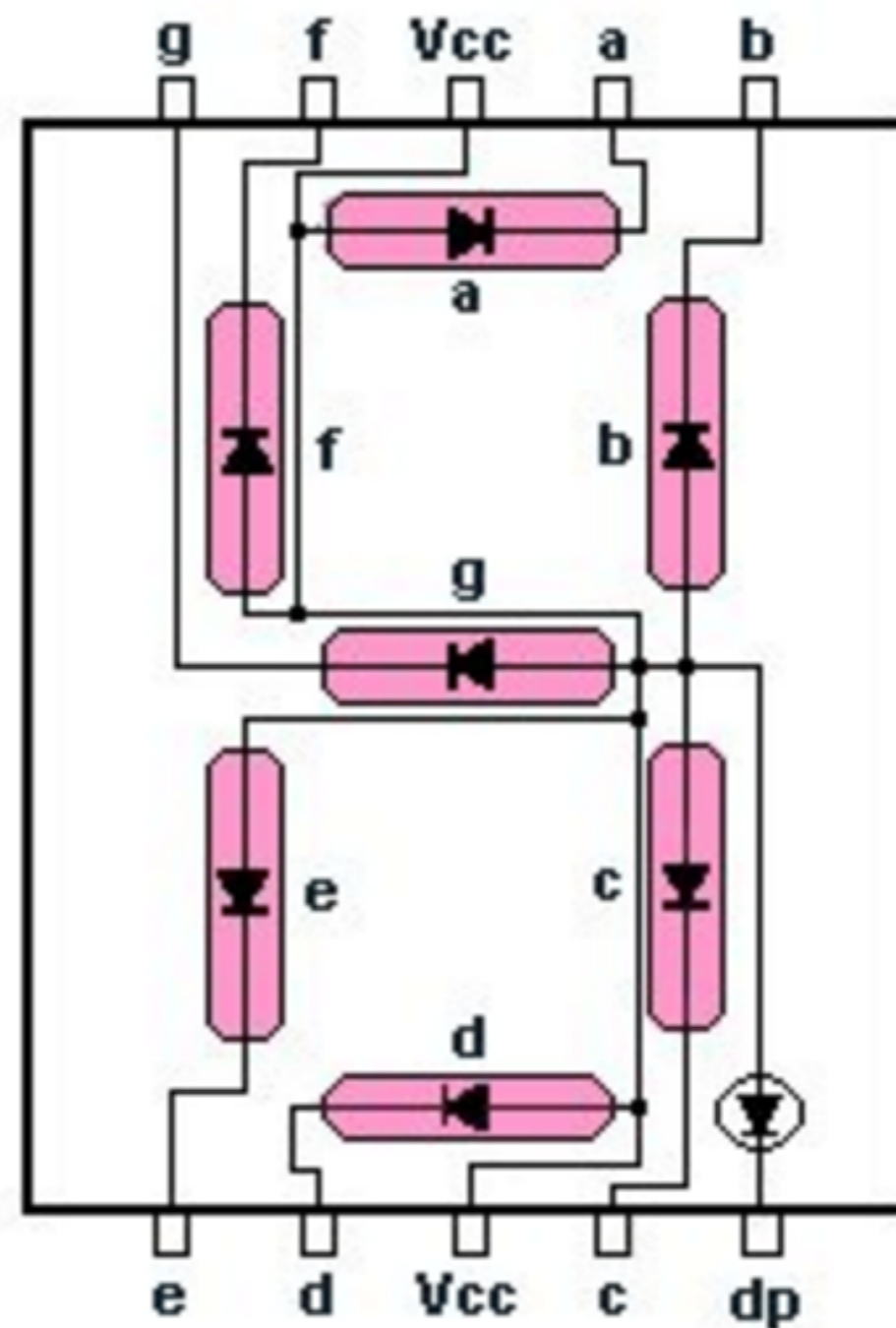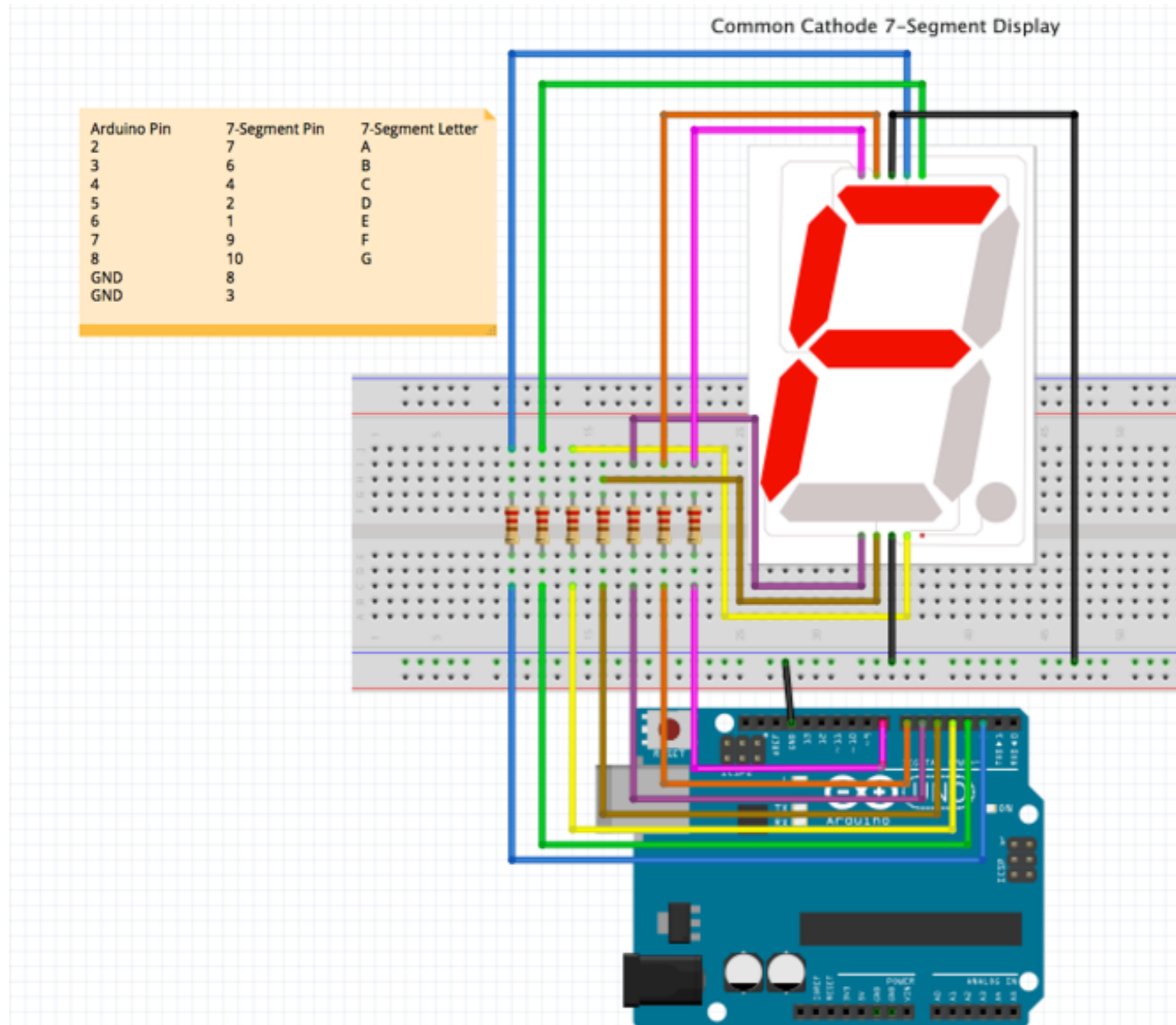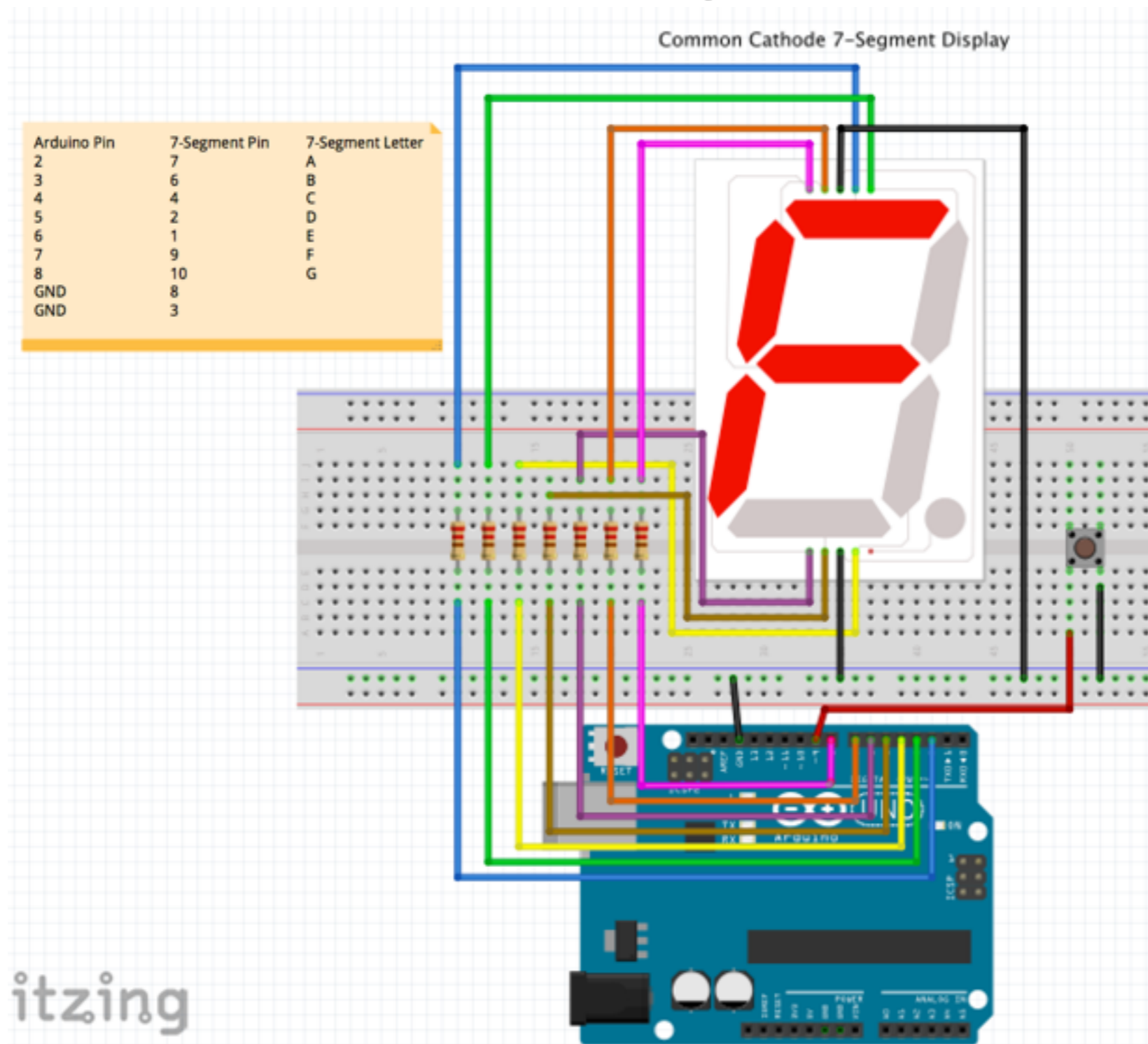
Summary

- In this project you learnt:

  - What is a seven segment display

  - How to connect a seven segment display in a circuit

  - The difference between common anode and common cathode seven segment displays