**Lab 5: Display devices, 7-segment display**

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* Table with segments values for display 0 to 9 on a common anode 7-segment display,

**Digit A B C D E F G DP**

**0** 0 0 0 0 0 0 1 1

**1** 100 1 1 1 1 1

**2** 0 0 1 0 0 1 0 1

**3** 0 0 0 0 1 1 0 1

**4** 1 0 0 1 1 0 0 1

**5** 0 1 0 0 1 0 0 1

**6** 0 1 0 0 0 0 0 1

**7** 0 0 0 1 1 1 1 1

**8** 0 0 0 0 0 0 0 1

**9** 0 0 0 0 1 0 0 1

The DP always off because we are not going to use it.

* In your words, describe the difference between Common Cathode and Common Anode 7-segment display.

In the two types of LED 7-segments displays:

1. Common cathode (CC)
2. Common anode (CA).

The main difference is the common cathode has all the cathodes of the 7-segments connected directly together and the common anode has all the anodes of the 7-segments connected together

* Listing of library source file segment.c, (7segment)