

Lab 4- LED

Reflection Questions

Q) What is the purpose of a Breadboard

A) The purpose of a Breadboard is to provide a sort of extension to the GPIO pins. allowing more connections to a Raspberry Pi. The horizontal axis in relation to the T Cobbler and beyond, separated by the divider in the middle or the dividers on the sides that designate either 3V3 and 5V power.

Q) Does the LED orientation matter (Anode & Cathode)

A) Yes the orientation of the LED does matter because power always connects to the anode and the ground connects to the cathode.

Q) Why do you put a resistor in your circuit?

A) We put resistors onto our circuits because we don't want the LED to draw too much power from the Raspberry Pi, if it does draw too much power it can explode

Q) How will a resistor with a greater resistance affect the light?

A) If we have a resistor with a greater resistance, the light will begin to dim, since its not drawing enough power to maintain a certain brightness