Trailing lights

1. What is the index and how is it used?

After creating a setup functions, which initializes and sets the initial values, the loop function does precisely what its name suggests, and loops consecutively, allowing your program to change and respond use it to actively control the Arduino board.

1. When does the loop end?

The “for” loop will end based on the index and base (e.g. i=0; 1<10,1++)

1. How is a “for” loop different from a “while” and a “do” loop?

While loops: will loop continuously, and infinitely, until the expression the parenthesis becomes false. Something must change the tested variable, or the while loop will never exit. This could be in your code, such as an incremented variable, or an external condition, such as testing a sensor.