Materials

- Arduino Uno

Background & Set-Up:

A palindrome is a word that reads the same backward as forward, such as <u>madam</u> or <u>racecar</u>.

You will set up the Arduino to communicate with your computer using the Arduino's serial port bus that communicates over the USB connection. Use the Arduino-PC Serial Comms starter code to see how to set up the connection. To send a message to your Arduino from your PC, open the serial port monitor (Tools->Serial Port Monitor). Double-check to make sure the settings match your parameters you set up in your program.

Goal:

We want to write a program that will determine whether or not the input is a palindrome. You will send a word to your Arduino from your PC using the Serial Port Monitor. The Arduino will parse the word and check to see if it is a palindrome. See the given inputs below and the expected outputs.

Input: "racecar"
Output: "racecar is a palindrome"

Input: "vsauce"
Output: "vsauce is not a palindrome"