Instructor: Michael D'Argenio Electrical Engineering - Term 1 Assignment: Palindrome

Materials

• Arduino Uno

Background & Set-Up:

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

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"