Lab 1 Descriptions

1. This is a simple module that connects the SW switches to the LEDR lights
2. This program is a simple multiplexer that displays the SW[7:0], or the SW[15:8] values on the green LED's, depending on the position of SW[17].
3. This program implements a 3 bit wide, 5:1 multiplexer. The values of SW[17:15] determine which of the SW will get displayed onto the green LEDS
4. This program displays the 3 bit value of SW[2:0] onto HEX0
5. This program uses a 3 bit wide multiplexer to display letters onto the HEX displays. Using SW[17:15], the letters denoted by SW[14:12], SW[11, 9], SW[8, 6], SW[5, 3], and SW[2, 0] can be rotated on the displays by counting in binary with SW[17:15]
6. This program is an extension of Lab15. The only difference is that this program adds spaces between the letters