Homework #6
Due Wed. 11/16

1. (H&J 8.4)
   Write a routine similar to that given in Figure 8.9 that reads characters from a keyboard and stores them, up to a carriage return character, in an 80-character buffer.

2. (H&J 8.15)
   Add even parity bits to each of the 7-bit ASCII characters in the string, "D'Oh!" Consult the char on page 456 for the 7-bit ASCII codes.

3. (H&J 8.17)
   Design the hardware to signal a parity error if the 8-bit value in a register is not even parity.

4. (H&J 8.19)
   Use odd parity SECDED coding to encode the following 4-bit values:

   (a) `1001`

   (b) `1110`

   (c) `0111`