Code for Least-Sq Via QR

Input: A, b

\[ \begin{align*}
A & = QR \\
\end{align*} \]

\[ n = \text{size}(A,2) \]

\[ Q, R = \text{qr}(A) \]

\[ b' = Q' \cdot b \]

\[ b_1' = b'[1:n] \]

\[ x = R \backslash b_1' \]

# in Julia R is n-by-n
# without the zeros