MATLAB: University of California, Davis

Computer LAB for Linear Algebra Dr. Daddel

MATH 22AL LAB # 10

16 Exercise:

Recall that if A is unitary and real matrix then it is called **orthogonal** .

Enter the following matrix in MATLAB:

$$A = \begin{bmatrix} 1 & 1 & 0 \\ 0 & 1 & 1 \\ 1 & 0 & 1 \end{bmatrix}$$

type	`conj(A)`	Show that this matrix is not unitary.
type	`(conj(A)')*A`	Show that this matrix is not hermitian.
type	`A*(conj(A)')`	
type	`A*(conj(A)')`	Show that A is norma.
type	`(conj(A)') *A`	