

Debparna Pratiher
912903994
Collaborators:
Vandita Anand
Kavitha.D

ECS 174 HOMEWORK 1

2. a) Returns a vector containing a random permutation of the integers 1:500.
b) A 3*3 matrix is created and assigned to a. Then the whole third column is accessed and assigned to b.
c) A 3*3 matrix is created and assigned to a. All the elements of a are accessed and assigned to b.
d) Randn creates an matrix of 10 rows and 1 column and is assigned to f. find Returns the linear indices corresponding to the nonzero entries of the array X, in this case numbers that are greater than 0. Find indices of positive elements of f and assign to g.
e) The zero() function here creates a matrix of 1 row and 5 columns. The length returns the length of vector x. The ones function creates a matrix of 1's of size 1 row and the number of columns equal to the length of the vector x which is 5. This matrix is then multiplied by 0.5. z is assigned the addition of the two vectors.
f) Access elements of row 1 through 50 of matrix a. In the next statement it starts at the end and goes all the way to the beginning in increments of -1.
3. d) `ValuesWithEight = length(find(8));`

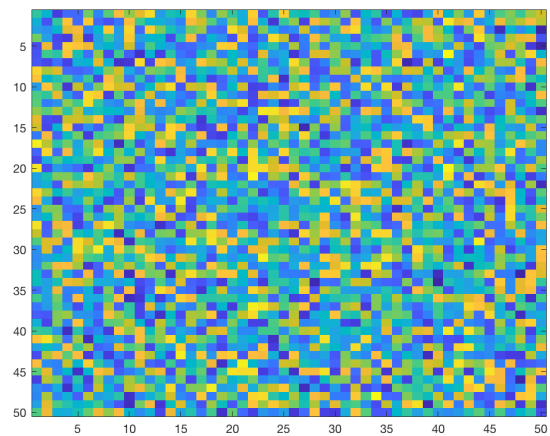
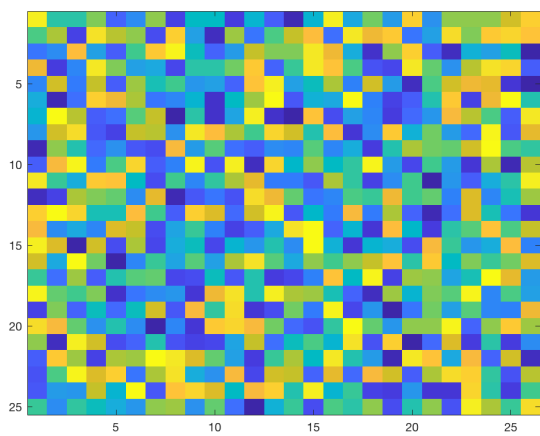
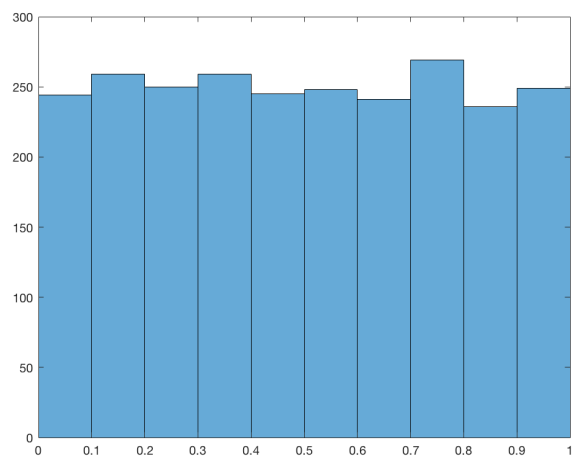
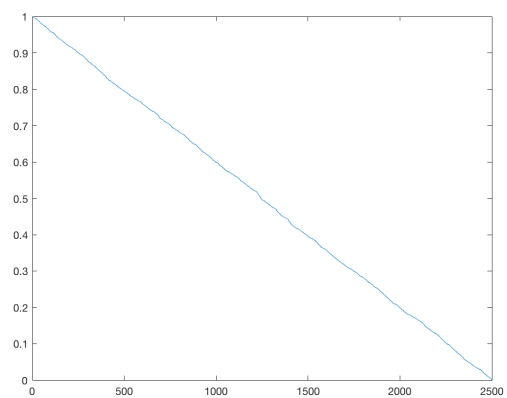
c) `x = max(max(Z));`

`[r,c] = find(Z == x);`

a) `a = randi(6, 1)`

b) `t = [1; 2; 3; 4; 5; 6]`

`x = reshape(t, 2, 3)`





greyscale



flip



negative



swap



mean



RGB



