NUMPY EXERCISE

1. Create a 5X2 random integer array and Prints its attributes

* The shape of an array
* Array dimensions
* The length of each elements of an array in bytes

1. Create a 4X2 random integer array from a range between 10 to 20 such that the difference between each element is 2.
2. Create a 6X4 random integer array and print the following

* The third column
* Array of odd rows and even columns
* Array of square of each element
* Split the array into two equal sub arrays
* Sort the array by the second row
* Sort the array by the second column
* Amax from axis 0 and Amin from axis 1
* Delete column 2 and insert [1,2,3,4,5,6] to column 2
* Rotate by 90 degree
* Print the most frequent value in the array
* Flatten the array to 1D
* Replace values less than 10 by a NAN.
* Summarize the array statistically (mean,mode,median, ¼ -quartile, ¾-quartile,max,min)