Assignment 11

1. Implement the counting sort:
   Input: k, the upper bound of integers, and n, the number of integers in the array, and your program should randomly generate the array of n integers to be sorted.
   Output: 1) The randomly generated array;
              2) The sorted array.

2. Implement the radix sort:
   Input: d, the number of digits of each integer, and n, the number of integers, and your program then randomly generates the n integers to be sorted.
   Output: 1) The randomly generated n integers with d digits;
              2) The sorted integers.