```
Arrays: -> Imbosfant Interview Questions: ->
1. Given an array of only 0's, 1's & 2's
Sort the array in ascending order without
raing any sortine algorithm.
Constraint: Time Complexity should be O(n).
          i/\rho \rightarrow arr = \{21, 1, 0, 2, 1, 2, 1, 0\}
          o(\rho) arr = {0,0,1,1,1,2,2}
                                00111122
                                  While (10 >0)
                                   cor (index] = 0;
               index = 0
      Count Sort Algorithm:
   * Non comparison algorithm
       Whole numbers
   Sfebs: 1. Find the max = 6
         2. Create a count array
         40 Calculate the cumulative
         S. Creite the oparray
           . Start from end (R-)L)
         7. (spy the out put back to input
        Radial S'out Algorithm: >
                                     ( Bucket Sost) 1's, 10's, 10's
     * Non comparison Algo
                                  ip 325/237/032/009/081
     * Multiple digit numbers
     * Constant Length Strings
                                            032 325 237 009
        Samar, Sagar, Rahul
     SI: > Find max: > 325
     S2; > How many digits
              in max? (3) passes
                                                 O(n + max)
     53: -> 0 - 9 10 bickets
                                      032
      Count Soit a
         File Handling in C
                                              Storage Classes
         Struct & Unions
                                     Allocation
          Dynamic Mimory
         Stoings
              C+t
```