

```
public static void
                          countSort ( string [] arr, int divisor,
          date array will be passed ine int mod, int range).
           string!
     int [] for = new int [range];
     String [] ans = new String [arr length];
     4 collecting frequency
    for (int i= 0; icarr length; itt)
99
      int val = Integer. parse Int (arr [i]);
       fars [val] ++; string to integes
     11 convext the favor to psa (prefix-sum array)
     for (inti=1; ic farr. length; i++)
       forti] += far[i]-1];
     Ifill the answer array
     for (int i = arr length -1; i>=0; i--)
      int val = Integer. parse Int (arr[i] / div)% mode);
        int pos = farr [val];
        ans Epos-1] = arr [i];
                                                Time (omplexity = O(n)
         farr [val] -- ;
                                                Space Complexity = O(n)
      Ifill the original array
      for (inti=o; i cans. length; itt) {
         arrtij = ans tij;
    public static void print (string [] arr]{
       for (int i=0; i (arr. length; it+) {
              System. ont. print (arr [i]);
   public static void main (String FJ args) {
     Scanner s = new Scanner (system. In);
       int n = s. nextInt();
       String to arr = new string [n];
      for (int i = 0; i < n; i+4) {
            string str - 5. nent ()')
              arr tis - stri
      sortbates (orr);
print (ass)
```