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Lab 2
Q. 1. Ans:
      ent[] arrays (int n) {
   coops { int[] ar = new int (n];
for (int i = 0; i < n; i++) {
arr[i] = 1;
          \begin{cases} fw (int i = 0; i < n; ++i) \\ fw (int j = i; j < n; ++j) \\ awr [i] += awr [j] + i+j; \\ \end{cases}
             return arr;
 For Loops, the asymptotic notation for running time is
     O(n).
  And for loops, the variable i runs upto n and
    the variable & runs as
                           o to n times when i = 0 \Rightarrow n
L to n times when i = 1 \Rightarrow (n-1)
   ... For loop 2, running time is O(n logn).
  : for Overall program, O(n) + O(nlogn)
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~ O (nlogn).