Time Complexity

1. The usage of the length function of string has time complexity O(1), Which is less than that of the time taken in the storage and using of the variable
2. But in any other function the situation changes for the time complexity, So first check about time complexity and than decide which one is the best one
3. For measuring time complexity the following code as shown bellow should be written on starting and ending of the program:

**long startTime = System.nanoTime();**

**.....your program....**

**long endTime = System.nanoTime();**

**long totalTime = endTime - startTime;**

**System.out.println(totalTime);**

1. Make the as possible as much use of the loops, As it takes lot of time

🡪Example for(for()) take O(n2)

🡪Example for(for(for())) take O(n3)

🡪So that n multiplies as many time we use the loop