**QUESTION QUIZ (DEMO)**

1. An algorithm is a \_\_\_\_\_\_ set of precise instructions for performing computation.
   1. Infinite
   2. Finite
   3. Constant
   4. None of the mentioned

Answer: B

1. What is algorithm complexity?
   1. a measure of the amount of space required by an algorithm for an input of a given size (n).
   2. a measure of the amount of time required by an algorithm for an input of a given size (n).
   3. a measure of the amount of time and/or space required by an algorithm for an input of a given size (n).
2. Which of the following case does not exist in complexity theory?
3. Best case
4. Worst case
5. Average case
6. Null case

Answer: D

1. Which used to mesure the Time complexity if algorithm in big O notation?
   1. Describes limiting behaviour of the function
   2. Characterises a function based on growth function
   3. Upper bound on growth rate of the function
   4. All of the mentioned

Answer: D

1. If the algorithm time complexity is given by O(1) then the complexity of it is \_\_\_\_\_
   1. Constant
   2. Polynomial
   3. Exponential
   4. None of the mentioned

Answer: A

1. The worst case occurs in quick sort when \_\_\_\_
   1. Pivot is the median of the array
   2. Pivot is the smallest element
   3. Pivot is the middle element
   4. None of the mentioned

Answer: b

1. Time complexity of the binary search algorithm is constant.
   1. True
   2. False
2. EX1//4
3. EX2 //6
4. EX2 //7