

# Time Complexity

☰ Chapter No.	20
▼ Status	Completed

- **Time complexity** refers to the total amount of time it takes to run an algorithm till completion
- ▼ **Big-O notation** is commonly used as an indicator of the number of steps, and hence the amount of time, taken for an algorithm to run
  - Big O notation is concerned with the **worst-case scenario** of running the algorithm
  - The worst case scenario occurs when the algorithm takes the **greatest number of steps** and the **greatest amount of time** to run