* Space complexity :-

→ It is also measured using asymptotic analysis considering very high value of n.

→ We calculate the space taken w.r.t change in input.

→ 99% of the time or unless specified, we do not consider space of input array or any other data structure.

→ The provided input/output is not considered as extra/auxillary space.

→ If you are using some additional arrays to generate the output, such scenarios are considered as extra space.

* Space complexity of recursive code :-

→ There is always an extra space involved with recursive code.

→ Consider factorial recursive problem where we create n stack frames as the function is called n times.

→ In this case, since we have n stack frames & in each frame we are not creating any extra space, the space complexity will be $O(n)$.