Searching

1) **Linear Search :**

→ Iterate through & compare value to be searched with dummy variable. If it is equal, then return index of that value.

2) Binary Search :

→ Search a sorted array by dividing search interval in parts.

→ Declare 3 vars : start, middle, end.

→ While start <= end, compare target element with middle & move pointers accordingly.

→ TC : $O(\log N)$