#15 days Dsa Coding challenge

Day 5

#Leetcode 704

Binary Search

Solution:

class Solution {

public:

int search(vector<int>& nums, int target) {

int n=nums.size();

int l=0,r=n-1,m;

while(l<=r){

m=l+(r-l)/2;

if(nums[m]==target)

return m;

else if(nums[m]<target)

l=m+1;

else

r=m-1;

}

return -1;

}

};

Time Complexity:O(log n)

Space Complexity:O(1)