Question: <https://leetcode.com/problems/3sum-closest/>

So we need to find the closest 3 sum to the target, it is just as same as the 3 sum here we not only take into consideration the sums which are equal to target but also check the sums which have the lowest gap from the target, if you are aware of 3 sum then it is the same.

I have already discussed about three sum, you can take the reference from [here](https://www.linkedin.com/posts/prodipta-halder-5018b91aa_leetcode-is-hiring-apply-now-icon-activity-6908993598227156992-pki1?utm_source=linkedin_share&utm_medium=member_desktop_web).

Code:  
class Solution {

public int threeSumClosest(int[] nums, int target) {

int minGap=Integer.MAX\_VALUE, res=0;

Arrays.sort(nums);

for(int i=0; i<nums.length-2; i++){

//reset the target like 3 sum

int target1=target-nums[i];

int start=i+1, end=nums.length-1;

//check the rest of the sub array for 2 sum

while(start<end){

int twoSum= nums[start]+nums[end];

int diff = Math.abs(target1-twoSum);

//now we need to check the minimum Gap

if(minGap>diff){

res=twoSum+nums[i];

minGap=diff;

}

if(target1==twoSum){

return target;

}else if(twoSum>target1){

end--;

}else{

start++;

}

}

}

return res;

}

}

Github Link :<https://lnkd.in/ecwtJeaz>