class Solution {

public:

vector<vector<int>> threeSum(vector<int>& nums) {

vector<vector<int>>res;

sort(nums.begin(),nums.end());

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

if(i==0 || (i>0 && nums[i]!=nums[i-1])){

int l=i+1,h=nums.size()-1,sum=0-nums[i];

while(l<h){

if(nums[l]+nums[h]==sum){

vector<int>temp;

temp.push\_back(nums[l]);

temp.push\_back(nums[h]);

temp.push\_back(nums[i]);

res.push\_back(temp);

while(l<h && nums[l]==nums[l+1]){l++;}

while(l<h && nums[h]==nums[h-1]){h--;}

l++;

h--;

}

else if(nums[l]+nums[h]<sum){l++;}

else{h--;}

}

}

return res;

}

};