**Subset Sum**

#include <bits/stdc++.h>

void func(vector<int>&num,int i,int n,vector<int>&res,int sum)

{

if(i>=n)

{

res.push\_back(sum);

return;

}

func(num,i+1,n,res,sum+num[i]);

func(num,i+1,n,res,sum);

}

vector<int> subsetSum(vector<int> &num)

{

int n=num.size();

vector<int>res;

int sum=0;

func(num,0,n,res,sum);

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

return res;

}