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#include <stdio.h>
#include <vector>
#include <queue>
#include <functional>
#include <algorithm>
#include <string>
#include <iostream>

using namespace std;

struct{
    int profit, spendings;
}typedef biz;

bool sortBiz(const biz &a, const biz &b){
    return a.profit - a.spendings < b.profit - b.spendings;
}

int main(){
    int i;

    int intarray[100];
    intarray[0] = 3;
    intarray[1] = 5;
    intarray[2] = 1;
    intarray[3] = 0;
    sort(intarray, intarray + 4);
    for(i=0; i<4; i++) printf("%d\n", intarray[i]);
    putchar('\n');
    sort(intarray, intarray + 4, greater<int>());
    for(i=0; i<4; i++) printf("%d\n", intarray[i]);
    putchar('\n');

    vector<string> stringvector;
    stringvector.push_back("ancel");
    stringvector.push_back("coxo");
    stringvector.push_back("nabo");
    sort(stringvector.begin(), stringvector.end());
    for(i=0; i<3; i++) cout << stringvector[i] << endl;
    putchar('\n');

    biz bizz[5];
    bizz[2].profit = 15;
    bizz[2].spendings = 3;
    bizz[0].profit = 3;
    bizz[0].spendings = 5;
    bizz[1].profit = 10;
    bizz[1].spendings = 5;
    sort(bizz, bizz + 3, sortBiz);
    for(i=0; i<3; i++)
        printf("biz: profit: %d, spendings: %d\n", bizz[i].profit,
bizz[i].spendings);

    return 0;
}
```