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#include<iostream>
#include<iomanip>
using namespace std;

struct hoda
{
    char maho[15];
    char tenchuho[25];
    int sothanhvien;
    float mucthunhap;
    float trocap;
};

void nhap(hoda a[], int n)
{
    for (int i=0; i<n; i++)
    {
        cin.ignore();
        cout << "(*) Nhap ho dan thu " << i+1 << endl;
        cout << "Nhap ma ho dan: "; gets(a[i].maho);
        cout << "Nhap ten chu ho: "; gets(a[i].tenchuho);
        cout << "Nhap so thanh vien: "; cin >> a[i].sothanhvien;
        cout << "Nhap muc thu nhap: "; cin >> a[i].mucthunhap;
        cout << endl;
    }
}

void tinhTroCap(hoda a[], int n)
{
    for (int i=0; i<n; i++)
    {
        if (a[i].mucthunhap < 5000000 && a[i].mucthunhap > 3000000)
            a[i].trocap = 50000 * a[i].sothanhvien;
        else
            if (a[i].mucthunhap < 3000000 && a[i].mucthunhap > 2000000)
                a[i].trocap = 100000 * a[i].sothanhvien;
            else
                if (a[i].mucthunhap < 2000000 && a[i].mucthunhap > 0)
                    a[i].trocap = 200000 * a[i].sothanhvien;
                else
                    a[i].trocap = 0 * a[i].sothanhvien;
    }
}

void tieude()
{
    cout << "\t";
    cout << left << setw(15) << "Ma ho dan";
    cout << left << setw(25) << "Ten chu ho";
    cout << left << setw(15) << "So thanh vien";
    cout << left << setw(15) << "Muc thu nhap";
    cout << left << setw(12) << "Tro cap";
    cout << endl;
}

void xuat(hoda a[], int n)
{
    cout << "\n\t" << "DANH SACH THONG TIN HO"
    cout << "\n\t" << "DANH SACH THONG TIN HO" << endl;
    tieude();
    for (int i=0; i<n; i++)

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        {
            cout << "\\t";
            cout << left << setw(15) << a[i].maho;
            cout << left << setw(25) << a[i].tenchuho;
            cout << left << setw(15) << a[i].sothanhvien;
            cout << left << setw(15) << a[i].mucthunhap;
            cout << left << setw(12) << a[i].trocap;
            cout << endl;
        }
    }

void sapxep(hodan a[], int n)
{
    for (int i=0; i<n-1; i++)
    {
        for (int j=i+1; j<n; j++)
        {
            if (a[i].sothanhvien > a[j].sothanhvien)
            {
                hodan tg = a[i];
                a[i] = a[j];
                a[j] = tg;
            }
        }
    }
}

int main()
{
    hodan hd[30];
    int n;
    cout << "Nhap so luong ho dan: ";
    cin >>n;
    nhap(hd,n);
    xuat(hd,n);
    sapxep(hd,n);
    xuat(hd,n);
    return 0;
}

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