#include <iostream>

#include <string>

#include <cctype>

using namespace std;

const int maxsize = 21;

const int maxsizes = 51;

struct NTN

{

int ngay;

int thang;

int nam;

};

struct Sach

{

char tensach[maxsize];

char tacgia[maxsize];

NTN XuatBan;

};

void Nhap1Sach ( Sach &s)

{

cin.ignore();

cout <<" Nhap vao ten sach: ";

cin.getline (s.tensach, maxsize);

cout <<" Nhap vao ten tac gia: ";

cin.getline (s.tacgia, maxsize);

cout <<" Nhap vao ngay/thang/nam xuat ban: ";

cin >> s.XuatBan.ngay ;

cin.ignore();

cin >> s.XuatBan.thang ;

cin.ignore();

cin >> s.XuatBan.nam ;

}

void Xuat1Sach ( Sach s)

{

cout <<" Ten sach: " << s.tensach << endl;

cout <<" Tac gia: " << s.tacgia << endl;

cout <<" Ngay thang nam xuat ban: " << s.XuatBan.ngay <<"/" << s.XuatBan.thang <<"/" << s.XuatBan .nam << endl;

}

void NhapDanhsachSach ( Sach \*dss, int n)

{

for ( int i =0; i < n; i++)

{

cout <<" \*\*\*\*NHAP THONG TIN CHO QUYEN SACH THU " << i + 1 <<" \*\*\*\*\n";

Nhap1Sach(\*(dss+i));

}

}

void XuatDanhSachSach ( Sach \*dss, int n)

{

for ( int i=0; i < n; i++)

{

cout <<" \*\*\*\*\*THONG TIN CAC QUYEN SACH THU " << i + 1 <<" \*\*\*\*\*\n";

Xuat1Sach(\*(dss + i));

}

}

int main ()

{

int n;

Sach \*dss;

do {cout <<" Ban muon nhap thong tin cho bao nhieu quyen sach: ";

cin >> n;

if ( n <= 0 || n > maxsizes)

cout <<" Nhap sai. Nhap lai\n";

} while (n <= 0 || n > maxsizes);

dss = new Sach[n];

NhapDanhsachSach(dss, n);

cin.ignore();

cout <<" Thong tin cac quyen sach ban nhap la\n";

XuatDanhSachSach(dss, n);

cout << endl;

cout <<" Cac quyen sach cua tac gia Tran Dung la: \n";

int dem =0;

for ( int i =0; i < n; i++)

{

if (!strcmp((\*(dss+i)).tacgia,"Tran Dung"))

{

dem++;

Xuat1Sach(\*(dss+i));

}

}

if ( dem == 0)

cout <<" Tac gia Tran Dung khong co trong nay.\n";

delete []dss;

dss = nullptr;

system ("pause");

return 0;

}