KIỂM TRA THỰC HÀNH KỲ 2022.2

IT3040 – Kỹ thuật lập trình - 727641

Họ và tên: Đào Thành Mạnh

MSSV: 20211014

# *Bài làm*

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//Dao Thanh Manh - 20211014

#include<iostream>

#include<string>

using namespace std;

struct sanpham {

string Tensp, Donvi;

int Soluong;

double Dongia, TienVanChuyen, Thanhtien;

};

struct phieuxuat {

string TenKho;

string MaPhieuXuat;

int ngay, thang, nam, Sosp;

double Sotiendatt, Sotienphaitt, TongVanChuyen;

sanpham \*Dssanpham;

};

struct dsphieuxuat {

int Soluongphieu;

phieuxuat \*Dsphieuxuat;

};

void nhapSanPham(sanpham &sp) {

cout<<"\t\tTen mat hang: "; cin.ignore(); getline(cin, sp.Tensp); cout<<endl;

cout<<"\t\tDon vi tinh: "; cin>>sp.Donvi; cout<<endl;

cout<<"\t\tSo luong: "; cin>>sp.Soluong; cout<<endl;

cout<<"\t\tDon gia: "; cin>>sp.Dongia; cout<<endl;

sp.Thanhtien = sp.Soluong\*sp.Dongia;

if(sp.Donvi == "Thung"){

if(sp.Soluong < 20) sp.TienVanChuyen = 75;

else if(sp.Soluong >20 && sp.Soluong < 35) sp.TienVanChuyen = 105;

else if(sp.Soluong >35 && sp.Soluong < 50) sp.TienVanChuyen = 125;

else if(sp.Soluong >=50) sp.TienVanChuyen= 170;

} else{

if(sp.Soluong <= 50) sp.TienVanChuyen = 50;

else if(sp.Soluong >50) sp.TienVanChuyen = 125;

}

}

void nhapPhieuXuat(phieuxuat &pn) {

cout<<"\tTen Kho Hang: "; cin.ignore(); getline(cin, pn.TenKho); cout<<endl;

cout<<"\tMa Phieu Xuat: "; cin.ignore(); getline(cin, pn.MaPhieuXuat); cout<<endl;

cout<<"Ngay Lap Phieu Xuat\n";

cout<<"\tNgay: "; cin>>pn.ngay; cout<<endl;

cout<<"\tThang: "; cin>>pn.thang; cout<<endl;

cout<<"\tNam: "; cin>>pn.nam; cout<<endl;

cout<<"\tSo mat hang: "; cin>>pn.Sosp; cout<<endl;

cout<<"\tNhap ds cac mat hang: "<<endl;

pn.Dssanpham = new sanpham[pn.Sosp];

pn.Sotienphaitt = 0;

pn.TongVanChuyen = 0;

for(int i=0; i<pn.Sosp; i++) {

cout<<"\tMat hang thu "<<i+1<<endl;

nhapSanPham(pn.Dssanpham[i]);

pn.Sotienphaitt += pn.Dssanpham[i].Thanhtien;

pn.TongVanChuyen += pn.Dssanpham[i].TienVanChuyen;

}

cout<<"\tSo tien da thanh toan: ";cin>>pn.Sotiendatt; cout<<endl;

}

void nhapDsPhieuXuat(dsphieuxuat &ds) {

ds.Dsphieuxuat = new phieuxuat[ds.Soluongphieu];

for(int i=0; i<ds.Soluongphieu; i++) {

cout<<"Nhap thong tin Phieu Xuat "<<i+1<<":"<<endl;

nhapPhieuXuat(ds.Dsphieuxuat[i]);

}

cout<<endl;

}

void inThongTinPN(phieuxuat pn) {

// cout<<"\tTen Nha Cung cap: "<<pn.TenKho<<endl;

// cout<<"\tNgay thu: Ngay "<<pn.ngay<<" thang "<<pn.thang<<" nam "<<pn.nam<<endl;

// cout<<"\tSo Mat Hang: "<<pn.Sosp<<endl;

// cout<<"\tDa thanh toan: "<<pn.Sotiendatt<<endl;

// cout<<"\tTong thanh tien: "<<pn.Sotienphaitt<<endl;

// cout<<"\tTong van chuyen: "<<pn.TongVanChuyen<<endl;

// cout<<"Tong phai thanh toan: "<<-pn.Sotiendatt+pn.Sotienphaitt+pn.TongVanChuyen<<endl;

// cout << "Tinh trang thanh toan: \t";

// cout<<"\tChi tiet cac san pham: "<<endl;

// cout<<"\tTenMatHang"<<"\tDonVT"<<"\tSoL"<<"\tdongia"<<"\t\tThanhtien"<<"\tVanchuyen"<<"Cong"<<endl;

cout<<"\tTen Kho Hang: "<<pn.TenKho<<endl;

cout<<"\tNgay thu: Ngay "<<pn.ngay<<" thang "<<pn.thang<<" nam "<<pn.nam<<endl;

cout<<"\tSo Mat Hang: "<<pn.Sosp<<endl;

cout<<"\tDa thanh toan: "<<pn.Sotiendatt<<endl;

cout<<"\tTong thanh tien: "<<pn.Sotienphaitt<<endl;

cout<<"\tTong van chuyen: "<<pn.TongVanChuyen<<endl;

cout<<"Tong phai thanh toan: "<<pn.Sotienphaitt+pn.TongVanChuyen<<endl;

cout<<"Tinh trang thanh toan: \t";

cout<<"Thanh toan thieu so tien"<<(pn.Sotiendatt-pn.Sotienphaitt+pn.TongVanChuyen)-pn.Sotiendatt << endl;

cout<<"\tChi tiet cac mat hang: "<<endl;

cout<<"\tTenMatHang"<<"\tDongia"<<"\tSoluong"<<"\t\tThanhtien"<<"\tTienvanchuyen" <<"\tCong"<<endl;

for(int i=0; i<pn.Sosp; i++) {

cout<<"\t"<<pn.Dssanpham[i].Tensp<<"\t"

<<pn.Dssanpham[i].Donvi<<"\t\t"

<<pn.Dssanpham[i].Soluong<<"\t\t"

<<pn.Dssanpham[i].Dongia<<"\t"

<<pn.Dssanpham[i].Thanhtien<<"\t\t"

<<pn.Dssanpham[i].TienVanChuyen

<<pn.Dssanpham[i].TienVanChuyen + pn.Dssanpham[i].Thanhtien<<endl;

}

cout<<endl;

}

void inDsPhieuXuat(dsphieuxuat ds) {

for(int i=0; i<ds.Soluongphieu; i++) {

inThongTinPN(ds.Dsphieuxuat[i]);

}

}

int main() {

int luachon;

dsphieuxuat ds;

cout << endl;

cout<<"Dao Thanh Manh - 20211014 - 727641 - IT3040 - 2022.2"<<endl;

cout<<"Nhap so Phieu Xuat: "; cin>>ds.Soluongphieu; cout<<endl;

do {

cout<<"Dao Thanh Manh - 20211014 - 727641 - IT3040 - 2022.2"<<endl;

cout<<"\*\* CHUONG TRINH QUAN LY PHIEU XUAT \*\*"<<endl;

cout<<"\*\*1. Nhap CAC PHIEU XUAT, MAT HANG \*\*"<<endl;

cout<<"\*\*2. IN KET QUA PHIEU XUAT VA MAT HANG\*\*"<<endl;

cout<<"\*\*0. Thoat \*\*"<<endl;

cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;

cout<<"\*\* Nhap lua chon cua ban \*\*"<<endl;

cin>>luachon;

switch(luachon) {

case 1: {

cout<<"Ban da chon nhap ds Phieu Xuat SP!"<<endl;

nhapDsPhieuXuat(ds);

cout<<"Ban da nhap thanh cong!"<<endl;

cout<<endl;

break;

}

case 2: {

cout<<"Ban da chon IN RA PHIEU XUAT!"<<endl;

inDsPhieuXuat(ds);

break;

}

case 0: {

cout<<"Dao Thanh Manh - 20211014 - 727641 - IT3040 - 2022.2"<<endl;

cout<<"Ban da chon thoat chuong trinh!"<<endl;

break;

}

default: {

cout<<"Nhan phim bat ki de tiep tuc!"<<endl;

break;

}

}

}

while(luachon != 0);

return 0;

}

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