

```

#define MAX_NXB      50
//Class QLSach
class QLSach
{
    protected:
        char MaSach[12];
        char NgayNhap[12];
        float DonGia;
        int SoLuong;
        char NXB[50];
        float ThanhTien;
    public:
        QLSach();
        virtual void Nhap();
        void Xuat();
        virtual void TinhTien()=0; //Ham thuan ao
        float getThanhTien();
        int getSoLuong();
        char *getNXB(); //c1?
        char getNXB(); //hay C2?
        //bo sung code
};

class SachGK: public QLSach
{
    protected:
        int TinhTrang; //1-Moi; 0-Cu
    public:
        SachGK();
        void TinhTien();
        void Nhap();
        //bo sung code
};

//Dinh nghia lop SachTK
class SachTK : public QLSach
{
    protected:
        float Thue;
    public:
        SachTK();
        void Nhap();
        void TinhTien();
        //bo sung code
};

```

```

void QLSach::Nhap()
{
    cout<<"Ma sach: "; cin>>MaSach;
    cin.ignore(); //enter trong buffer
    cout<<"Ngay nhap: "; cin>>NgayNhap;
    cin.ignore();
    cout<<"Ngay Don gia: "; cin>>DonGia;
    cout<<"Ngay So luong: ";cin>>SoLuong;
    cin.ignore();
    cout<<"Nha xuất bản: "; gets(NXB);
    //cin.getline(NXB,50);
}

void QLSach::Xuat()
{
    cout<<"MS: "<<MaSach<<","<<NG: "<<NgayNhap;
    cout<<","<<DG: "<<DonGia<<","<<SL: "<<SoLuong;
    cout<<","<<TT: "<<ThanhTien<<"NXB: "<<NXB<<endl;
}

//Định nghĩa hàm thành viên cho lớp SachGK
//Cách nào dùng?
//C1
SachGK::SachGK() : QLSach()
{
    TinhTrang=1; //mặc nhiên là Sach moi
}

//C2
SachGK::SachGK()
{
    QLSach::QLSach();
    TinhTrang=1; //mặc nhiên là Sach moi
}

//C3
SachGK::SachGK()
{
    QLSach();
    TinhTrang=1; //mặc nhiên là Sach moi
}

```

```
void SachGK::Nhap()
{
    char tt;
    QLSach::Nhap(); //class QLSach
    cout<<"Tinh trang sach Moi- Cu (M/C) :";
    cin>>tt;
    if ((tt=='M') || (tt=='m'))
        TinhTrang =1;
    else
        TinhTrang =0;
    //TinhTien();
}
```

//Tương tự cho lớp SachTK

```

int main()
{
    QLSach *MSach[100];
    int i=0,n=0, nSgk=0, nStk=0;    float ttSach=0;
    char Chon,Loai, nxb_ct[50];
    cout<<setiosflags(ios::fixed)<<setprecision(2);
    cout<<"Nhap thong tin cho cac loai sach"<<endl;
    do //QLSach *MSach[100];
    { cout<<"Sack GK hay Sach TK (G/T)? ";
      cin>>Loai; Loai=toupper(Loai);
      if (Loai=='G')
      { MSach[n]=new SachGK;
        MSach[n]->Nhap();
      }
      else
      { MSach[n]=new SachTK;
        MSach[n]->Nhap();
      }
      //MSach[n]->Nhap();
      //cach 1
      MSach[n]->TinhTien();
      ttSach = ttSach + MSach[n]->getThanhTien();
      n++; //tang len so luong sach

      cout<<"Tiep tục (C/K)? ";    cin>>Chon;
      Chon=toupper(Chon);
      if ((n==100) || (Chon=='K'))
          break;
    }
    while (1);
}

```

```
/*  
//cach 2 - Tinh tien  
for(i=0;i<n;i++)  
{  
    MSach[i]->TinhTien();  
    ttSach = ttSach + MSach[i]->getThanhTien();  
}  
*/
```

```
cout<<"Thong tin cac sach vua nhap"<<endl;  
for(i=0;i<n;i++)  
    MSach[i]->Xuat(); //QLSach  
  
cout<<"Tong tien  = "<<ttSach<<endl;  
cout<<"TBC don gia sach = "<<ttSach/n<<endl;
```

```
getch();  
return 1;
```

```
}
```