第一题：

Class CGoods

{

private:

long no;

char \*p\_name;

double price;

public:

CGoods(long no, char \*p\_name, double price);

CGoods(Cgoods &goods);

~CGoods(){delete p\_name;}

void print();

};

CGoods::CGoods(long no, char \*p\_name, double price)

{

no=no;

p\_name=newchar(strlen(p\_name));

strcpy(p\_name,p\_name);

price=price;

}

CGoods::CGoods(Cgoods &goods)

{

no=goods.no;

p\_name=newchar(strlen(goods.p\_name));

strcpy(p\_name,goods.p\_name);

price=goods.price;

}

void CGoods::print()

{

cout<<"Goods number:"<<no<<endl;

cout<<"Goods name:"<<p\_name<<endl;

cout<<"Goods price:"<<price<<endl;

}

第二题：

Class CGoods

{

private:

long no;

char \*p\_name;

double price;

static int count;

public:

CGoods(long no, char \*P\_name, double price);

CGoods(Cgoods &goods);

~CGoods();

void print();

int getCount(){return count;}

friendchar \*getName(Cgoods &goods);

};

CGoods::CGoods(long no, char \*P\_name, double price)

{ no=no;

p\_name=newchar(strlen(P\_name));

strcpy(p\_name,P\_name);

price=price;

count++;

}

CGoods::CGoods(CGoods&goods)

{ no=goods.no;

p\_name=newchar(strlen(goods.p\_name));

strcpy(p\_name,goods.p\_name);

price=goods.price;

count++;

}

CGoods::~CGoods()

{

count--;

delete p\_name;

}

Void CGoods::print()

{ cout<<"Goods number:"<<no<<endl;

cout<<"Goods name:"<<p\_name<<endl;

cout<<"Goods price:"<<price<<endl;

}

char \*getName(CGoods&goods)

{ returngoods.p\_name;}

第三题：

classCGoods

{

private:

long no;

char \*p\_name;

double price;

staticint count;

public:

CGoods(long no, char \*P\_name, double price);

CGoods(CGoods&goods);

~CGoods();

void print();

int getCount(){return count;}

friendchar \*getName(CGoods&goods);

bool operator < (CGoods&goods);

bool operator >= (CGoods&goods);

};

CGoods::CGoods(long no, char \*P\_name, double price)

{

no=no;

p\_name=newchar(strlen(P\_name));

strcpy(p\_name,P\_name);

price=price;

count++;

}

CGoods::CGoods(CGoods&goods)

{

no=goods.no;

p\_name=newchar(strlen(goods.p\_name));

strcpy(p\_name,goods.p\_name);

price=goods.price;

count++;

}

CGoods::~CGoods()

{

count--;

delete p\_name;

}

Int CGoods::count=0;

Void CGoods::print()

{

cout<<"Goods number:"<<no<<endl;

cout<<"Goods name:"<<p\_name<<endl;

cout<<"Goods price:"<<price<<endl;

}

char \*getName(CGoods&goods)

{

returngoods.p\_name;

}

Bool CGoods::operator < (CGoods&goods)

{

if(price<goods.price)

returntrue;

else

returnfalse;

}

Bool CGoods::operator >= (Cgoods &goods)

{

if(price>=goods.price)

return true;

else

return false;

}

第四题：

classCClothes:publicCGoods

{

private:

char \*p\_brand;

public:

CClothes(longno,char \*P\_name, doubleprice, char \*p\_brand\_val):CGoods(no,P\_name,price)

{

p\_brand=newchar(strlen(p\_brand\_val));

strcpy(p\_brand,p\_brand\_val);

}

~CClothes(){delete p\_brand;}

void usedFor()

{

cout<<"clothes"<<endl;

}

};

classCFood:publicCGoods

{

private:

char \*p\_brand;

public:

CFood(longno, char \*P\_name, doubleprice, char \*p\_brand\_val):CGoods(no,P\_name,price)

{

p\_brand=newchar(strlen(p\_brand\_val));

strcpy(p\_brand,p\_brand\_val);

}

~CFood(){delete p\_brand;}

void usedFor()

{

cout<<"foods"<<endl;

}

};