

```

class Manufacturer {
    int code prefix
    string description
    product lot

    // create two classes: one w/
    // hash table + one w/ BST
    // use correct one based on
    // argument
    // can be array, bst or hashtable
}

```

```

    get/set code prefix
    get/set description
    add Product (Product) // looks for product in
    // list; if there is none
    // other way add
    [Product] get Product list() // return
    to facilitate printing

```

```

class Manufacturer {
    list of Manufacturers // should be BST or hashtable

```

```

    find manufacturer // search + return
    set manufacturer // set alphabetically before
    printing
    get manufacturer by index // facilitate printing
    can also use iterator
    add Manufacturer // error assumes manufacturer
    does not already exist

```

```

class Product {
    long UPC
    string description
    int quantity sold
    get/set UPC/description
    increment/set quantity
    int get Manufacturer code
}

```



class manufacturer {  
 // create two classes: one w/  
 hash table + one w/ BST  
 use const one based on  
 argument

int code prefix  
 string description  
 product lot // can be array, bst or hashtable

get/set code prefix  
 get/set description

add Product (Product) // looks for product in  
 list; if price increased  
 other will add  
 [Product] get Product list() // return  
 to calculate printing

class Manufacturer

list of Manufacturers // should be BST or hashtable  
 find manufacturer // search + return  
 sort manufacturers // sort alphabetically before  
 printing  
 get manufacturer by index // calculate printing  
 can also use iterator  
 add Manufacturer // ~~sort~~ assumes manufacturer  
 does not already exist

class Product

long UPC  
 string description  
 int quantity sold  
 get/set UPC/description  
 increment/set quantity  
 int get manufacturer code