

## Assignment

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### EX.1

```
public class Item {  
    public String desc;  
    public int quantity;  
    public double price;  
    public char colorCode;  
  
    public void setItemFields(String desc, int quantity, double price) {  
        this.desc = desc;  
        this.quantity = quantity;  
        this.price = price;  
    }  
  
    public int setItemFields(String desc, int quantity, double price, char colorCode) {  
        if (colorCode == ' '){  
            return -1;  
        }  
        this.colorCode = colorCode;  
        setItemFields(desc, quantity, price);  
        return 1;  
    }  
}
```

```
public void displayItem() {  
    System.out.println("Item: " + desc);  
    System.out.println("Quantity: " + quantity);  
    System.out.println("Price: " + price);  
    if (colorCode != ' ') {  
        System.out.println("Color code: " + colorCode);  
    }  
}  
}
```

## EX.2

```
public class ShoppingCart {  
    public static void main(String[] args) {  
        Item item1 = new Item();  
  
        item1.setItemFields("Shirt", 2, 20.0);  
        item1.displayItem();  
        Item item2 = new Item();  
        int result = item2.setItemFields("Gizmo", 1, 19.99, 'R');  
        if (result < 0) {  
            System.out.println("Invalid color code");  
        } else {  
            item2.displayItem();  
        }  
    }  
}
```