ArrayList Assignment

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Problem Statement

A fashion E-commerce company keeps a track of all the orders using an **ArrayList** and a class Order. Implement class **Order** and retrieve and return the list of items present in all the orders. Implement the logic inside **getItems()** method.

Test the functionalities using the **main()** method of the **Tester** class.

Sample Input and Output

Sample Input	Expected Output
orders=[Order(101,itemNames=[Jeans, Shirt, Belt],true), Order(102,itemNames=[Tie,Shirt],true),Order(103,itemNames=[Tshirt,Socks,Tie],true)	[Jeans,Shirt,Belt,Tie,Shirt,Tshirt,Socks,Tie]
orders=[Order(311,itemNames=[Sportswear, Dumbbell],true), Order(102,itemNames=[, Jeans],true),Order(103,itemNames=[Smartwatch,Fitnessband,Joggers],true)	Sportswear,Dumbbell,Smartwatch,Fitnessband,Joggers]

Add your code here

```
import java.util.*;

class Order {
    int orderNo;
    String[] itemNames;
    boolean status;

    Order(int orderNo, String[] itemNames, boolean status) {
        this.orderNo = orderNo;
        this.itemNames = itemNames;
        this.status = status;
    }

    public String[] getItems() {
        return itemNames;
```

```
    }
}

public class testOrder {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        ArrayList<Order> orders = new ArrayList<>();

        System.out.println("\n\nEnter no. of items for Order No. 1: ");
        int no = s.nextInt();

        String[] list1 = new String[no];
        System.out.println("\nEnter names of Items: ");
        for (int i = 0; i < no; i++) {
            list1[i] = s.next();
        }

        System.out.println("\n\nEnter no. of items for Order No. 2: ");
        no = s.nextInt();

        String[] list2 = new String[no];
        System.out.println("\nEnter names of Items: ");
        for (int i = 0; i < no; i++) {
            list2[i] = s.next();
        }

        System.out.println("\n\nEnter no. of items for Order No. 3: ");
        no = s.nextInt();

        String[] list3 = new String[no];
        System.out.println("\nEnter names of Items: ");
        for (int i = 0; i < no; i++) {
            list3[i] = s.next();
        }

        Order order1 = new Order(101, list1, true);
        Order order2 = new Order(102, list2, true);
        Order order3 = new Order(102, list3, true);

        orders.add(order1);
        orders.add(order2);
        orders.add(order3);

        Iterator<Order> o = orders.iterator();

        while (o.hasNext()) {
            Order obj = (Order) o.next();
            System.out.print(Arrays.toString(obj.getItems()));
```

```
        }
    }
}
```

Expected Output:

```
Enter no. of items for Order No. 1:
2

Enter names of Items:
pant
shirt


Enter no. of items for Order No. 2:
2

Enter names of Items:
jeans
jacket


Enter no. of items for Order No. 3:
1

Enter names of Items:
hat
[pant, shirt][jeans, jacket][hat]
PS B:\VIT\2. Object Oriented Programming (Java)\LAB\Assignment No.5>
```