```java
import java.util.ArrayList;
import java.time.LocalDate;

public class Order {
        private Integer number;
        private LocalDate createdAt;
        private int shippingCost;
        private LocalDate deliveryDate;
        private char status;
        private Schedule schedule;
        private ArrayList<ProductLine> productLines;

}
```

```java
import java.util.HashMap;

public class Category {
        private String name;
        private String description;
        private String image;
        private int priority;
        private HashMap<String,GlobalProduct> globalProducts;
}
```

```java
import java.time.LocalDate;
public class Benefit {
        private LocalDate date;
        private String description;
        private int discountPercentage;
}
```

```java
import java.util.ArrayList;
import java.lang.Object;
import java.time.LocalDate;
import java.util.Arrays;
import java.util.ArrayList;
import java.util.Collections;

/**
 * Invariante: la fecha de end no puede ser uan fecha mayor a la actual.
 */
public class Ginnko {
    private ArrayList<String> products;
    private LocalDate start;
    private LocalDate end;
    /**
     * Constructor de Ginnko
     */
    public Ginnko(){
        products=new ArrayList();
    }
    /**
     * Returns the total sales of a set of products in a time range
     * @param products name of the products
     * @param start start date
     * @date end - end date
     * @return total sales
     */
    public int sales(ArrayList products,LocalDate star,LocalDate end){
        int total=0;
        for (int i=0;i<products.length;i++){
            if (subTotal(products[i])){
            total=total+subTotal(products[i]);
        }
        return total;
    }
}
```

```java
import java.util.HashMap;
public class Zone {
        private String city;
        private String location;
        private HashMap<Integer,Schedule> schedules;
}
```

```java
import java.util.HashMap;
import java.time.LocalDate;

public class Store {
        private String name;
        private String identificationType;
        private int identificationNumber;
        private String email;
        private String address;
        private HashMap<Integer,Order> orders;
        private HashMap<LocalDate,Benefit> benefits;
        private Zone zone;
}
```

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```java
import java.time.LocalDate;
public class Product {
        private String name;
        private String presentation;
        private String description;
        private float weight;
        private int size;
        private int unitPrice;
        private LocalDate createdAt;
        private LocalDate updatedAt;
}
```

```java
import java.util.HashMap;

public class GlobalProduct {
        private String name;
        private String image;
        private String description;
        private boolean isActive;
        private HashMap<String,Product> products;
}
```

```java
public class WholesalerAward {
        private static int percentage;
        private int year;
        private int month;
        private int prize;
        private Wholesaler winner;
}
```

```java
import java.util.HashMap;
import java.time.LocalDate;

public class Wholesaler {
        private String name;
        private int commissionPercentage;
        private String logo;
        private LocalDate createdAt;
        private HashMap<String,Product> products;
}
```

```java
public class Schedule {

        private int day;

        private String description;

}
```

```java
public class ProductLine {
        private int quantity;
        private int unitPrice;
        private Product product;
}
```