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```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
import java.time.LocalDate;
import java.time.LocalDateTime;
import java.time.OffsetDateTime;
import java.time.ZoneId;
import java.util.ArrayList;
import java.util.Arrays;
import java.util.Collections;
import java.util.HashMap;
import java.util.HashSet;
import java.util.List;
```

```
public class Main {
```

```
    public static void main(String[] arg) throws IOException
    {
```

```
        double amount= 0;
```

```
        double maxGST =Integer.MIN_VALUE;
```

```
        Item maxGstItem = null;
```

```
        Item item1= new Item( "Leather wallet", 1, 18,1100) ;
```

```
Item item2 = new Item( "Umbrella", 2, 12, 900) ;
Item item3 = new Item ( "Cigeratte", 3, 28, 200) ;
Item item4 = new Item( "Honey", 4, 0, 100) ;
List<Item> listofItems = new ArrayList<>();
listofItems.add (item1) ;
listofItems.add(item2);
listofItems.add (item3) ;
listofItems.add(item4);
ShoppingCart shoppingCart = new ShoppingCart (listofItems) ;
```

```
for (Item item: shoppingCart.itemList)
{
    double cost    = item.getPrice()*item.getQuantity()+item.getGst();
    if(item.getPrice(>500)
        cost= cost*0.95;
    amount += cost;
    if(item.getGst (>maxGST)
    {
        maxGST = item.getGst () ;
        maxGstItem = item;
    }
}

System.out.println("Total amount to be paid:" + amount) ;
System.out.println("Maximum gst is paid for item :" + maxGstItem.getName()) ;
```

```

}
}
class Item{
    public Item(String name, int quantity, float gstRate, float price) {
        super();
        this.name = name;
        this.quantity = quantity;
        this.price = price;
        this.gst = (price*quantity)*gstRate/100;
    }
    String name;
    int quantity;
    float price;
    float gst;
    public String getName() {
        return name;
    }
    public int getQuantity() {
        return quantity;
    }
    public float getPrice() {
        return price;
    }
    public float getGst() {
        return gst;
    }
}

```

```

class ShoppingCart{
    List<Item> itemList = new ArrayList<>();

    public ShoppingCart(List<Item> itemList) {

```

```
        this.itemList = itemList;
```

```
    }
```

```
}
```