**package** jobDSA\_Assignment;

**import** java.util.ArrayList;

**import** java.util.Arrays;

**import** java.util.List;

**public** **class** BOGO {

**public** **static** **void** main(String[] args) {

BOGO bogo = **new** BOGO();

bogo.findMaxDiscount(Arrays.*asList*(50, 49, 12, 43, 90, 6));

}

**public** **void** findMaxDiscount(List<Integer> priceList) {

List<Integer> payableItems = **new** ArrayList<Integer>();

List<Integer> freeItems = **new** ArrayList<Integer>();

priceList.sort((a, b) -> {

**return** b - a;

});

**for** (**int** i = 0; i < priceList.size(); i += 2) {

payableItems.add(priceList.get(i));

**if** (i + 1 < priceList.size()) {

freeItems.add(priceList.get(i + 1));

}

}

System.***out***.println("Payable Items : " + payableItems);

System.***out***.println("Free Items : " + freeItems);

}

}