import java.text.NumberFormat;

public class ShoppingCart

{

private int itemCount; // total number of items in the cart

private double totalPrice; // total price of items in the cart

private int capacity;// current cart capacity

int loc;

Item[] cart;

// -----------------------------------------------------------

// Creates an empty shopping cart with a capacity of 5 items.

// -----------------------------------------------------------

public ShoppingCart()

{

capacity = 5;

itemCount = 0;

totalPrice = 0.0;

cart = new Item[capacity];

loc = 0;

}

// -------------------------------------------------------

// Adds an item to the shopping cart.

// -------------------------------------------------------

public void addToCart(String itemName, double price, int quantity)

{

cart[loc] = new Item(itemName, price, quantity);

loc++;

totalPrice+=(price\*quantity);

}

public double getTotalPrice() {

return totalPrice;

}

// -------------------------------------------------------

// Returns the contents of the cart together with

// summary information.

// -------------------------------------------------------

public String toString()

{

NumberFormat fmt = NumberFormat.getCurrencyInstance();

String contents = "\nShopping Cart\n";

contents += "\nItem\t\tUnit Price\tQuantity\tTotal\n";

for (int i = 0; i < itemCount; i++)

contents += cart[i].toString() + "\n";

contents += "\nTotal Price: " + fmt.format(totalPrice);

contents += "\n";

return contents;

}

}