

Clothes.java

Directions: You are going shopping for clothes. You want to buy some shirts, pants and shoes. This program will ask the user the cost of each one as well as the number that will be purchased. Then calculate the bill for all of the items, including tax. Print a formatted bill.

- Pseudocode is required.
- Input six values: The cost of one shirt, then ask for the number of shirts. Repeat for the number of pairs of pants as well as for the number of pairs of shoes.
- Testing planning is required: As the last thing in the heading pseudocode, list out what you would use to test the program. Be complete: list data types and a range of values. Your teacher will guide you through this several days after this is assigned, so don't worry about it until discussed in class.
- Calculate all values shown in the example below, and at a later step, print them with categories left justified, '=' lined up, and decimal points lined up.
- Use printf to format the output. Do NOT use tabs or sets of spaces to format the output. Show decimals to two places. Note, to get the comma for numbers over 1,000, see your Data Type notes, which has an example of it.
- Use a *final* constant for tax (9.25% or 0.0925). No magic numbers!
- Refer to the Best Practices we use in class – Pandas Don't Eat Oreos gives a summary.
- This is a one-class, one-method program (use *main*). (Writer-defined methods and classes)

Example run #1. Input values are in bold:

Welcome to ClothesRUS, your one stop shopping for shirts, pants and shoes.

```
Please enter the cost of one shirt -> 100
Please enter the number of shirts purchased -> 5
Please enter the cost of one pair of pants -> 124.50
Please enter the number of pants purchased -> 3
Please enter the cost of one pair of shoes -> 149.99
Please enter the number of shoes purchased -> 2
```

```
Shirts      = $   500.00
Pants       = $   373.50
Shoes       = $   299.98
Subtotal    = $ 1,173.48
Tax         = $   108.55
Total       = $ 1,282.03
```

The total cost for 10 items is \$1,282.03. Thank you for shopping at ClothesRUs.

Example run #2:

Welcome to ClothesRUS, your one stop shopping for shirts, pants and shoes.

Please enter the cost of one shirt -> **99.99**  
Please enter the number of shirts purchased -> **6**  
Please enter the cost of one pair of pants -> **123.57**  
Please enter the number of pants purchased -> **3**  
Please enter the cost of one pair of shoes -> **158.99**  
Please enter the number of shoes purchased -> **2**

Shirts	=	\$	599.94
Pants	=	\$	370.71
Shoes	=	\$	317.98
Subtotal	=	\$	1,288.63
Tax	=	\$	119.20
Total	=	\$	1,407.83

The total cost for 11 items is \$1,407.83. Thank you for shopping at ClothesRUs.