

Title: Sale Price

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Course & Section: CSC 109-101W

Description: Compute the discounted price, sales tax, and final cost of an item based on its original price.

Initial Algorithm:

1. Get the price of the item
2. Compute the discounted price
3. Compute the sales tax
4. Compute the final cost
5. Display the discounted price
6. Display the sales tax
7. Display the final cost

Data Requirements:

Input:

- Original price of the item

Output:

- Discounted price
- Sales tax
- Final cost

Additional Data: None

Formulas:

- Discounted price = original price * 0.75
- Sales tax = discounted price * 0.08
- Final cost = discounted price + sales tax

Refined Algorithm:

- a. Get the original price of the item
- b. Compute the discounted price
 - Discounted price = original price * 0.75
- c. Compute the sales tax
 - Sales tax = discounted price * 0.08
- d. Compute the final cost
 - Final cost = discounted price + sales tax

- e. Display the discounted price
- f. Display the sales tax
- g. Display the final cost