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1. Allow a user to enter a quantity of an item. If the quantity is greater than or
    equal to 1000, the unit price should be $3.00. For quantities under 1000 the
    unit price is $5.00. Compute extended price to be quantity x unit price.
    Compute tax to be 7% of the extended price. The total is computed as
    extended price plus the tax. Display the quantity, unit price, extended price,
    tax and total

Input	Process	Output
Quantity	If quantity >= 1000, set unit price to 3.00	Quantity
	Else, set unit price to 5.00	Unit price
	Extended price = quantity * unit price	Extended Price
	Tax = Extended price * 0.07	Tax
	Total = extended price + tax	Total

2. The program asks the user for an item and quantity. Determine the unit price
    of the item based on the chart below. Compute the extended price to be
    quantity x unit price. Display the item, unit price and extended price. Note: if
    the item entered is not A then assume the item is B. No need to check for B.

Input	Process	Output
Item	If item is "A", unit price = 10.00	item
Quantity	Else, unit price = 20.00	Unit price
	Extended price = quantity * unit price	Extended price

3. Enter the number of books to order and cost per book. If the order total is over $50.00 shipping is free. If the order total is $50.00 or under charge $25 shipping. Display the order total and shipping charge (note 0 should display for a free shipping charge).

Input	process	Output
Num of books	Order total = num of books * cost per book	Order total
Cost per book	If order total > 50, shipping = 0	Shipping charge
	Else, shipping = 25	

4. The warrantee of an appliance depends on the cost of the appliance. For appliances over $1,000 the warrantee cost is 10% of the price. For appliances $1,000 or less the warrantee cost is 5% of the price. The user will enter the name and cost of an appliance. Display name and cost of appliance, the cost of the warrantee and the total (cost of the appliance + warranty).

Input	process	output
Appliance name	If cost > 1000, warranty = cost * 0.10	Appliance name
Appliance cost	Else, warranty = cost * 0.05	Appliance cost
	Total = cost + warrenty	Warranty cost
		Total cost

5. Enter the user's last name, number of dependents and gross income. Compute adjusted gross income to be gross income minus dependents times $12000. Next determine an income tax rate. Adjusted gross incomes over $50,000 have a tax rate of 20%. Adjusted gross incomes $50,000 or under have a tax rate of 10%. Once you determine the tax rate, compute income tax to be adjusted gross income times tax rate. If the income tax is less than 0, set the income tax to $100. Display last name, gross income, number of dependents, adjusted gross income, and income tax.

Input	Process	Output
Lname	Adjusted gross income = gross income - (dependents * 12000)	Lname
Gross income	If adjusted gross income > 50000, tax rate = 0.20	Gross income
Num of dependents	Else, tax rate = 0.10	Num of dependents
	Income tax = adjusted gross income * tax rate	Adjusted gross income
	If income tax <0, set income tax = 100	Income tax