Problem 1

INPUT	PROCESS	OUTPUT
- 5 variables for itemQuantity, unitPrice, extendedPrice, tax, and total - Asks the user for quantity of item	- if statement to set unitPrice to $3 if itemQuantity is greater or equal to 1000 - Else statement to set unitPrice to 5.00 if itemQuantity less than 1000	- Displays quantity - Displays unit price - Displays extended price - Displays tax - Displays total

Problem 2

INPUT	PROCESS	OUTPUT
- 6 variables to hold item, itemQuantity, unitPrice, extendedPrice, A, and B (A/B need to be recognized for the users input) - Asks the user for A or B, and quantity of the item	- if statement to set unitPrice to $10 if the users input is equal to A - else if statement to set unitPrice to $20 if the users input is equal to B - else statement if the user doesn't enter a current input (anything other than A or B) (returns error code) - Multiplies itemQuantity and unitPrice to get the extendedPrice	- Displays item - Displays unit price - Displays extended price

Problem 3

INPUT	PROCESS	OUTPUT
- 4 variables to hold numBooks (number of books), costPerBook, orderTotal, and shippingCharge - Asks the user for order amount (of books), and cost per book	- Multiplies numBooks and costPerBook to get orderTotal - If statement to set the shipping charge to $0 if the orderTotal is greater than $50 - else statement to set the shipping charge to $25 if the orderTotal is less than $50	- Displays order total - Displays shipping charge

Problem 4

INPUT	PROCESS	OUTPUT
- 4 variables to hold applianceName, applianceCost, warrentyCost, and totalCost - Asks the user for the name of the appliance and cost of the appliance	- if statement to multiply applianceCost and 10% to get warrantyCost if applianceCost is greater than $1000 - else statement to multiply applianceCost and 5% to get warrantyCost if applianceCost is	- Displays appliance name - Displays appliance cost - Displays warranty cost - Displays total cost

	less than or equal to $1000	

Problem 5

INPUT	PROCESS	OUTPUT
- 6 variables to hold lastName, numDependents, grossIncome, adjustedGrossIncome, incomeTax, and taxRate - Asks the user for last name, number of dependents and gross income	- Multiplies numDependeents and 12000 then subtracts the product from grossIncome to get adjustedGrossIncome - if statement to set taxRate to 20% if adjustedGrossIncome is greater than $50000 - else statement to set taxRate to 10% if adjustedGrossIncome is anything but greater than 50000 - Multiplies adjustedGrossIncome and taxRate to get incomeTax - if statement to set incomeTax to 100 if incomeTax is less than 0	- Displays last name - Displays gross income - Displays number of dependents - Displays adjusted gross income - Displays income tax