

Problem 1

INPUT	PROCESS	OUTPUT
<ul style="list-style-type: none">- 6 variables to hold quantity, status, price, extendedPrice, tax, and total- Asks the user for quantity of widgets and customer status	<ul style="list-style-type: none">- if statement so if quantity is greater than 10,000 and status is equal to "A", set price to \$10- else if statement so if quantity is greater than 10,000 and status is equal to "B", set price to \$12- else if statement so if quantity is between 5,000 and 10,000 and status is equal to "C", set price to \$20- else if statement so if quantity is between 5,000 and 10,000 and status is equal to "D", set price to \$30- else statement to set price to \$30 otherwise- Multiplies quantity and price to get extendedPrice- Multiplies extendedPrice and 0.07 to get tax at 7%	<ul style="list-style-type: none">- Displays extended price- Displays tax amount- Displays total

	<ul style="list-style-type: none"> - Multiplies extendedPrice and tax to get total 	
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Problem 2

INPUT	PROCESS	OUTPUT
<ul style="list-style-type: none"> - 4 variables to hold partNumber, quantity, costPerUnit, and totalCost - Asks the user for part number and quantity 	<ul style="list-style-type: none"> - Sets costPerUnit to \$1 if partNumber is equal to 10 and quantity is greater than 1000 - Sets costPerUnit to \$2 if partNumber is equal to 99 and quantity is greater than 500 - Otherwise, sets costPerUnit to \$5 - Multiplies costPerUnit and quantity to get totalCost 	<ul style="list-style-type: none"> - Displays part number - Displays cost per unit - Displays total cost

Problem 3

INPUT	PROCESS	OUTPUT
<ul style="list-style-type: none"> - 4 variables to hold locationCode, numberOfTickets, pricePerTicket, and totalCost - Asks the user for number of tickets and locationCode 	<ul style="list-style-type: none"> - Sets pricePerTicket to \$30 if numberOfTickets is greater than 25 or location code equals "H" - Sets pricePerTicket to \$40 if numberOfTickets is 	<ul style="list-style-type: none"> - Displays number of tickets - Displays price per ticket - Displays total cost

	between 10 and 24, or locationCode is equal to L. - Otherwise, sets pricePerTicket to \$50	
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Problem 4

INPUT	PROCESS	OUTPUT
<ul style="list-style-type: none"> - 3 variables to hold equipmentCode, dayCode, and cost - Asks the user for equipment code and day code 	<ul style="list-style-type: none"> - Set cost to \$10 if equipment code is equal to "A" and dayCode is equal to "F". If equipmentCode is "A" but dayCode is equal to H, set cost to \$15 - Set cost to \$20 if equipment code is equal to "B" and dayCode is equal to "F". If equipmentCode is "B" but dayCode is equal to H, set cost to \$35 - Set cost to \$45 if equipment code is equal to "C" and dayCode is equal to "F". If equipmentCode is "C" but dayCode is equal to H, set cost to \$40 - Otherwise, set cost to \$50 	<ul style="list-style-type: none"> - Display the rental cost

Problem 5

INPUT	PROCESS	OUTPUT
<ul style="list-style-type: none">- 4 variables to hold jobCode, hours, rateOfPay, and grossPay- Asks the user for job code and hours worked	<ul style="list-style-type: none">- Set rate of pay to \$50 if jobCode is equal to "L"- Set rate of pay to \$100 if jobCode is equal to "J"- Set rate of pay to \$25 if jobCode is equal to "A"- Returns a error message if a invalid job code is entered- Multiplies hours and rateOfPay to get grossPay	<ul style="list-style-type: none">- Displays gross pay