

### Problem 1

INPUT	PROCESS	OUTPUT
<ul style="list-style-type: none"><li>- 3 variables to store lastName, grade, and score</li><li>- Asks the user for their last name and score</li></ul>	<ul style="list-style-type: none"><li>- if statement so if your score is above 90, sets your grade to A. (This is repeated with every interval of 10 until 60) (80 = B, 70 = C, 60 = D)</li><li>- else statement so it can set grade to F when the input below 60</li><li>-</li></ul>	<ul style="list-style-type: none"><li>- Displays last name and grade</li></ul>

### Problem 2

INPUT	PROCESS	OUTPUT
<ul style="list-style-type: none"><li>- 3 variables to store pounds, pricePerPound, and totalPrice</li><li>- Asks the user for quantity of apples in pounds</li></ul>	<ul style="list-style-type: none"><li>- if statement so if inserted number is greater than 100, set pricePerPound to 0.10</li><li>- if statement so if inserted number is greater or equal to 50, set pricePerPound to 0.25</li><li>- else statement so it sets pricePerPound to 0.50 for numbers below 50</li></ul>	<ul style="list-style-type: none"><li>- Displays price per pound</li><li>- Displays total price</li></ul>

	<ul style="list-style-type: none"> <li>- Multiplies pounds and pricePerPound to get total</li> </ul>	
--	------------------------------------------------------------------------------------------------------	--

### Problem 3

INPUT	PROCESS	OUTPUT
<ul style="list-style-type: none"> <li>- 5 variables to hold lastName, jobCode, hoursWorked, payRate, and totalPay</li> <li>- Asks for last name, hours worked, and job code</li> </ul>	<ul style="list-style-type: none"> <li>- if statement so if inputted letter equals "E" it sets the pay rate to 25.00</li> <li>- if statement so if inputted letter equals "J" it sets the pay rate to 20.00</li> <li>- if statement so if inputted letter equals "A" it sets the pay rate to 15.00</li> <li>- else statement to set an error code for any other inputted letter.</li> <li>- Multiplies hoursWorked, and payRate to get totalPay</li> </ul>	<ul style="list-style-type: none"> <li>- Displays last name</li> <li>- Displays hours worked</li> <li>- Display pay rate</li> <li>- Displays total pay</li> </ul>

### Problem 4

INPUT	PROCESS	OUTPUT
<ul style="list-style-type: none"> <li>- 3 variables to hold salary, taxRate, and taxAmount</li> </ul>	<ul style="list-style-type: none"> <li>- if statement so if salary is above 100,000 ~ set tax rate to 0.40</li> </ul>	<ul style="list-style-type: none"> <li>- Displays salary</li> <li>- Displays tax rate</li> <li>- Displays tax amount</li> </ul>

<ul style="list-style-type: none"> <li>- Asks the user for their annual salary</li> </ul>	<ul style="list-style-type: none"> <li>- else if statement so if salary is greater or equal to 50,000 and is less than or equal to 100,000 ~ set tax rate to 0.35</li> <li>- else statement to set tax rate to 0.25 if salary is anything else</li> <li>- Multiplies salary and taxRate to get taxAmount</li> </ul>	
-------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

#### Problem 5

INPUT	PROCESS	OUTPUT
<ul style="list-style-type: none"> <li>- 3 variables to hold weight, rate, and total</li> <li>- Asks the user for weight of metal in pounds</li> </ul>	<ul style="list-style-type: none"> <li>- if statement so if weight is greater than 100, set rate to 0.50</li> <li>- else if statement so if weight is greater or equal to 30 and weight is less than or equal to 100, set rate to 0.25</li> <li>- else if statement so if weight is greater or equal to 20 and weight is less than than 30, set rate to 0.10</li> <li>- else statement to set rate to 0.10 if any other number is inputted</li> </ul>	<ul style="list-style-type: none"> <li>- Displays weight</li> <li>- Display rate</li> <li>- Displays total</li> </ul>

	- Multiplies weight and rate to get total	
--	-------------------------------------------	--