

## Lab 7-1-2

The 7.1.2<sup>th</sup> lab is to create a web application using JavaScript (object **Date**, **try-catch**), ask the user to enter an amount in CAD dollars representing the price of certain product to buy, apply the 2 taxes after you validate that the amount entered is a float number. Have the date as of today on the top right section of your web page and create a web page similar with the image.

Use **try** and **catch** to validate the entry.

Use this JS code to calculate the Quebec taxes and to have only 2 decimals:

```
amount = eval(document.getElementById("amnt").value);  
t1 = (amount * 0.05);  
t2 = (amount * 0.09975);  
amount = (amount + t1 + t2).toFixed(2);
```

Have the current date and pass it together with the total price to a pop-up window (**alert()**).

Use **alert()** function with an appropriate error message to control the user input.

This is an example

# Today Date: Mon Mar 20 2023

Input your amount :

### Example

You sell a taxable good for \$132.50. Taxes are calculated as follows:

Selling Price	\$132.50
GST (\$132.5 * 5%)	\$6.63
QST (\$132.5 * 9.975%)	\$13.22
<b>Total</b>	<b>\$152.34</b>

Create a button to calculate and display the images and the number of banknotes and/or coins that represent the total.

## Lab 7-1-2

Calculate banknotes and coins

### Calculate banknotes and coins

The total amount in CAD dollars:	
100 dollars bills: 1 Amount: \$100	Toonie: 1 Amount: \$2
	
50 dollars bills: 1 Amount: \$50	Loonies: 0 Amount: \$0
	

## Lab 7-1-2

### Calculate banknotes and coins

### Calculate banknotes and coins

**The total amount in CAD dollars: 152.34**

100 dollars bills: 1

Amount: \$100



Toonie:  
Amount:

50 dollars bills: 1

Amount: \$50



Loonies:  
Amount:

20 dollars bills: 0

Amount: \$0

Quaters:  
Amount:

10 dollars bills:0

Amount: \$0

Dimes:  
Amount:

5 dollars bills: 0

Amount: \$0

Nickels:  
Amount:

```
function displayMoney(getAmount) {
    var amount = getAmount ;// .toFixed(2) ;
    //alert("100$="+amount);
    var    val100 = parseInt(amount/100) ;
    if (val100>0){document.getElementById("bn100").src = "img/100$.jpg";}
    document.getElementById("hun").innerHTML = Math.floor(val100);
    document.getElementById("totalHun").innerHTML = ("$$") + (Math.floor(val100)*100);
    var    amount = (amount - val100*100).toFixed(2);
    //alert("50$="+amount);
}
```

This is the JS code that is displaying 100\$ bill.

Upload your web files on LEA of Omnivox. Thank you.