Assignment 1 Spring 2021

Created: May 17, 2021

The file **Product Sales.xlsx** (found in the Dropbox) has sales totals for 12 months and 10 different products in range B4:M13.

Part A

Write a VBA sub to enter formulas for the totals in column N and row 14. Use the FormulaR1C1 property to do so.

You should set this property for two ranges: the one in column N and the one in row 14.

The function for adding values in a range is the SUM() function.

For example, to add up the values in cells A1:A5, cell A6 will have the formula:

```
=sum(A1:A5)
```

This would look slightly different when using R1C1 formulas, but that is what the assignment is asking you to figure out.

Loops are not required.

Rubric:

- ❑ Equation for rows totals is correct. [3]
- ❑ Equation for column totals is correct. [3]
- ❑ Completed without using loops. [3]
- ❑ Solution uses FormulaR1C1. [3]

Part B

1. Record a macro called **DuplicateWorksheet** and record the actions you take to make a copy the original worksheet to make a duplicate. Rename the worksheet to **PartB.** Stop recording the macro.
   a. Do not re-run the macro. Because you created a worksheet and named it PartB, running the macro will attempt to copy the original worksheet and call it PartB, but an Excel file cannot have worksheets with duplicate names, so this will cause a run-time error.
2. Write a VBA sub called **Start** to ask for the users's name. Have the sub write the word **Name:** in cell **A2** and write the user's name in cell **A3** of the PartB worksheet.
3. Place a button on the PartB worksheet to run the **Start** subroutine.

Rubric:

- ❑ Macro for DuplicateWorksheet exists and works. [3]
- ❑ Start sub works correctly. [3]
- ❑ Button for Start sub works. [2]