

Exercise 4

Download the files from <http://www.Peter-Lo.com/Teaching/SPEED-EXCEL/Source4.zip>, you will use these files to finish the following exercises.

- Open the Excel file “Question 4-1.xlsx”. This spreadsheet contains a list of furniture items.
 - Create a drop-down menu in the green cell that allows user select the product code.

| Wise Owl Furnishings | | | | Enquiry System | |
|----------------------|---------------|---------|----------|------------------|-----|
| Code | Item | Price | In Stock | | |
| K16 | Stool | £21.00 | 7 | Code: | C39 |
| A17 | Lamp | £32.99 | 8 | Item: | A17 |
| A18 | Bookcase | £112.50 | 40 | Price: | A18 |
| A34 | Armchair | £89.99 | 5 | Number in Stock: | A34 |
| C39 | Sofa | £312.00 | 80 | | C39 |
| D80 | Dining Table | £199.99 | 12 | | D80 |
| F26 | Shelves | £45.00 | 9 | | F26 |
| B45 | Kitchen | £231.00 | 34 | | B45 |
| G36 | Rocking Chair | £87.99 | 13 | | G36 |

- Enter formulae in the yellow cells so that whenever you enter a product code in the green cell you see the product details beneath.

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| A17 | Lamp | £32.99 | 8 | Item: | Sofa |
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| A34 | Armchair | £89.99 | 5 | Number in Stock: | 80 |
| C39 | Sofa | £312.00 | 80 | | |
| D80 | Dining Table | £199.99 | 12 | | |
| F26 | Shelves | £45.00 | 9 | | |
| B45 | Kitchen | £231.00 | 34 | | |
| G36 | Rocking Chair | £87.99 | 13 | | |

- Open the Excel file “Question 4-2.xlsx”. This spreadsheet contains the cost per gallon for olive oil. You are required to develop a formula for total cost calculation using function IF according to the provided logic.

| Olive Oil | Cost/Gallon |
|--|-------------|
| Cost/gallon for the first 500 gallons: | \$23 |
| Cost/gallon for gallons above 500: | \$20 |
| Number of Gallons: | 501 |
| Total Cost: | 11520 |

3. Open the Excel file “Question 4-3.xlsx”. By using **AND** function, check whether the input value (Column C) is between minimum value (Column A) and Maximum value (Column B).

| | A | B | C | D |
|---|----------------------|----------------------|--------------------|----------------------|
| 1 | Minimum Value | Maximum Value | Input Value | Within Range? |
| 2 | 10 | 14 | 50 | FALSE |
| 3 | 32 | 45 | 38 | TRUE |
| 4 | 12 | 44 | 85 | FALSE |
| 5 | 43 | 98 | 54 | TRUE |
| 6 | | | | |

4. Open the Excel file “Question 4-4.xlsx”. Enter a formula in the yellow cell so that it shows the corresponding name for input student ID in the green cell. Prompt for message “**Not in this class**” if the student ID not found.

| ID | Name | ID | Name |
|--------------|--------------|--------------|-------------------|
| 96200745 | David Cheung | 96200745 | David Cheung |
| 96114424 | Patrick Pang | 96114424 | Patrick Pang |
| 96101242 | Simon Lee | 96101242 | Simon Lee |
| 96484247 | May Leung | 96484247 | May Leung |
| 96012149 | Paul Chan | 96012149 | Paul Chan |
| 96427732 | Chris Wong | 96427732 | Chris Wong |
| | | | |
| | | | |
| ID: | 96114424 | ID: | 1234 |
| | | | |
| Name: | Patrick Pang | Name: | Not in this class |