

Exercise 4

Download the files from <http://www.peter-lo.com/Teaching/HHB-1208/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 | Code: | |
| K16 | Stool | £21.00 | 7 | | C39 |
| A17 | Lamp | £32.99 | 8 | Item: | |
| A18 | Bookcase | £112.50 | 40 | Price: | |
| A34 | Armchair | £89.99 | 5 | Number in Stock: | |
| 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 | | |

- 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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|----------------------|---------------|---------|----------|------------------|---------|
| Code | Item | Price | In Stock | Code: | |
| K16 | Stool | £21.00 | 7 | | C39 |
| A17 | Lamp | £32.99 | 8 | Item: | Sofa |
| A18 | Bookcase | £112.50 | 40 | Price: | £312.00 |
| 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”. 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 | | | | |

3. Open the Excel file “Question 4-3.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 |

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 |