

VBA Programming Workshop

Demonstrations

[Introduction to VBA Programming](#)

Exercises

- 1 Record a VBA macro to set the font in cell "A1" to 14 point bold.
- 2 Construct a VBA macro to greet you with "Good morning", "Good afternoon" or "Good evening" as appropriate.
- 3 Construct a VBA macro to toggle the display of gridlines. Assign the keyboard shortcut Ctrl+G.
- 4 Construct a VBA macro to display the Excel color palette in the top left corner of an empty worksheet (cells "A3:H9")
- 5 Extend the previous macro to display the **ColorIndex** in each cell.
- 6 Can you identify which colors in the standard palette are duplicated? How many distinct colors are there?
- 7 Construct a worksheet to compute the factorial function up to $6! = 720$ *without* using the Excel function **Fact**. Verify your calculations with **Fact**.
- 8 Write a VBA function **Factorial** to emulate **Fact** assuming an integer argument.
- 9 How does your function react to non-integer arguments, e.g. 4.5? How can you fix this so that it behaves like **Fact**.
- 10 How does your function react to negative arguments?