

Applying Many Of The Previous Concepts In A Practical Example & Linking Documents

- As you are aware different programs serve different purposes:
 - Database: storing and retrieving information
 - Spreadsheet: performing calculations, displaying graphical views of results
 - Word processor: creating text documents with many features for formatting and laying out text
- VBA allows the output of one program to become the input of another program.
 - Although this can be done 'manually' (reading the documents and typing in changes) if the dataset is large this can be a tedious and error-prone process
 - Copy-pasting may alleviate some of these issues but it isn't always an option.
 - VBA can be used to automate the process

Accessing Other Office Applications With A Word VBA Program

Example Problem

- Financial statements (monetary data) about many companies can be stored in a spreadsheet where an analysis can be performed e.g. does the company have enough \$\$\$ on hand to meet its financial commitments.
- This information can be read into a VBA program which can further evaluate the data.
- The results can be presented in Word using the numerous text formatting features to highlight pertinent financial information.
- Names of the documents used in this example:
 - FNCE.xlsx (contains the financial data: program input)
 - 1spreadSheetAnalyzer.docm (contains the VBA program as well as the presentation of results: program output)



























Second Excel VBA Example: Accessing Cells Based On The Contents Of Variables (2)

```
row = InputBox("Row to modify (e.g. 1,2,3...): ")
column = InputBox("Column to modify (e.g. 1,2,3...): ")
newData = InputBox("Contents for Cell (row/column): (" & _
row & "/" & row & ")")
Cells(row, column) = newData
startCell = InputBox("Start to modify (e.g. A1): ")
endCell = InputBox("End to modify (e.g. E3): ")
Range(startCell & ":" & endCell) = newData
```


