



PointOne Coding Challenge

“The Excel Exchange”

Welcome to PointOne! Here, we like to set coding challenges for all abilities and styles. These are designed to enhance your programming skills through solving practical, real-world problems.

Your Challenge

For this challenge, you are tasked with creating a Python application that updates an Excel spreadsheet with live exchange rates. The goal is to create a single-file Python script that retrieves exchange rates and integrates them seamlessly into an Excel spreadsheet with a fluid, professional user interface. It should also be able to take a user-selected cell or array and convert its value to any units of the users choosing.

Criteria

- Convert a value between any exchange rate of the user’s choosing
- Have a GUI that is simple and easy to use
- Integrated into Excel (for instance using xlwings), read and write to live excel file.
- Downloadable in one exe file – no external or extra downloads required
- Works on Windows and Mac

Mark Scheme

To judge your code fairly, the team at PointOne will compare your code against the following mark scheme:

Criterion	Description	Score
Functionality	Does the script perform all required tasks (fetch rates, update Excel, intuitive to use)?	1-10
Usability	Is the GUI user friendly and appealing?	1-10
Code Quality	Is the code efficient, well written and well structured?	1-10
Error Handling	Does the code effectively handle errors?	1-10

Submission Instructions

To submit your code, simply email it to office@pointonesoftwareolutions.com . If you are submitting this as part of an interview or job application, please give a brief (100-200 words) description of your code in the email.