

Python Developer Assessment

Summary:

We don't expect the test to take up much of your time, however feel free to spend as long as you want on it so that you're happy with the result. If you are unable to provide solutions to all of the queries, please still submit what you have as we care more about the structure of your code than the completeness of the submission.

The test submission needs to be archived (e.g. zip or tar), and sent via a file sharing site to ensure your submission is not blocked. We recommend using <https://wettransfer.com/> - Please fill in the information required, the 'email to' should be: pythontests@rightmove.co.uk

If you have any issues sending us your archive, try submitting a file sharing link such as Dropbox, or send us an email to discuss further options.

Guidelines:

- The code should be written in Python.
- We encourage you to demonstrate your ability to write high quality, well-tested code in your submission.
- Feel free to use any libraries or frameworks that are appropriate.
- The test below should be completed using the supplied CSV file, containing some simple property data, named 'property-data.csv'.
- You can use any IDE/Text editor/testing framework.
- If you are successful we will ask you to explain the code that you have submitted when you come in for your on-site interview.

Questions:

Given the dataset provided please provide an application that is capable of providing the following information. Please document how to use the system you create in your readme. The fields mentioned in these queries match headings in the CSV dataset provided.

- Find the mean price in the *postcode outward* 'W1F'
- Find the difference in average property prices between detached houses and flats
- Find the top 10% most expensive properties

Postcode Outward – The first part of the postcode, for example, the postcode outward for 'W1D 3QU' would be 'W1D'

Thank you for taking the time to complete this test, good luck!