

Workday HiredScore Software Development Engineer Test

Guidelines:

You will be measured for:

- Architecture - propose a suitable architecture that will allow for extensibility and composability
- Maintainability - ideally we want to be able to add more fields to the final object and additional ways to output the data
- Explainability - your code should be self explanatory
- Correctness - it should do what it needs to do

You don't need to account for, for this exercise:

- We don't expect perfectly engineered solution, be mindful of over engineering
- Complete freedom to pick a programming language and platform
- No need to account for scale
- You can take assumptions on everything that isn't written in the requirements - take a good decision that you can explain, we don't care if it isn't "correct" as long as you can explain it

**Please note: This is a 2-part test - Section 1 (this page) and Section 2 (next page)*

Section 1 - Data handling

The **purpose** of this task is to demonstrate a basic ability to build a program that gets data from a URL and presents it.

You have a json resume data waiting [here](#)

The Exercise:

Get candidate data from the URL and extract their work experience.

For each "candidate" that you find there extract the following:

- Name of the candidate
- Job experience (including role, dates, office location)
- If a certain candidate has "gaps" between two jobs, print the gap in between the job lines (Gap in CV for X days) - you should add it to both forms of output (your call where the gaps will be in the json).

The application should output in the format below.

Output String Example:

Hello Shimon Peres,

Worked as: Programmer, From Jan/20/2013 To Dec/31/2014 in New York, NY, US

Gap in CV for 20 days

Worked as: Programmer, From Jan/02/2010 To Dec/31/2012 in Newark, NJ, US

Section 2 - Automation infrastructure

The **purpose** of this task is to create an automated UI test using [Cypress.io](https://www.cypress.io) framework

The Exercise:

Create an automated flow that interacts with the browser.

- **Clone** the following repository to your local machine [Cypress-Automation-Infra](https://github.com/cypress-io/cypress)
- under **Cypress/integration** folder, create a **test.spec.js** that covers the below steps:
 - Navigate to www.hiredscore.com
 - Hover over **About** tab
 - Click on **Careers**
 - Verify the URL to match <https://www.hiredscore.com/careers#career-listing>
 - Click on any open position
 - Verify the position heading in the new page matches the one you selected.
 - Click **Back to career page**
 - Hover over Resources tab
 - Click on **Press & Awards**
 - Verify URL to match <https://www.hiredscore.com/press>
- ***Bonus:** Write to a CSV file the top headline posts
- Create a branch with the above required flows via **Github**
- * Follow the instructions mentioned in the following links:

- [Writing your first test](#)
- <https://github.com/cypress-io/cypress>