

Tech Exercises - Individual

Duration

1 hour 30 mins

Submission Process

Your work on the individual task should be submitted via GitHub.

Create a GitHub **repository** called **tr_cohort_job_matching** and push your solution to that repository.

Instructions and Tips

- You can present your solution in the programming language of your choice
- If you haven't coded before please write up your solution in natural language (pseudo code) on how you would solve the problem and things you would consider
- Feel free to use any frameworks, libraries or aspects of your chosen language
- Feel free to refactor how you feel the function should be implemented
- This is open book, googling is encouraged
- Leave comments in your code to take us on a journey through your solution
- Feel free to enhance your solution and extend the functionality as you feel fit

Exercise

Tech Returners want to improve the conversations we have with our cohorts such that we want to really understand which jobs match our cohort members.

Your task is to write a function that accepts a list of job characteristics and a list of individual skills/characteristics. It should use those two different sets of characteristics to provide a match score between 0 and 100. Where 100 is the ideal match and 0 indicates definitely do NOT show this person that job.

An example list of job characteristics might be (please create others to test out your code):

Job A characteristics: "remote" "flexible working hours"

Job B characteristics: "office based two days per week" "react developer"

Individual A skills/characteristics: "wants to work remote" "react experience" "looking for frontend"

Individual B skills/characteristics: "backend developer" "cloud experience" "AWS certified"