



Junior Developer (Internship)

Congratulations on reaching the next step of Odds Scanner's recruiting process!

We have prepared a simple exercise to better understand how you approach problem-solving, creative thinking, and attention to detail. Every candidate reaching this stage has a maximum of 5 days to deliver the final result.

Don't worry! This exercise does not take 5 days to complete, not even close. But that will give you plenty of time to work on the solution and deliver it once you are 100% happy with it.

Deliverables: Please send a separate file with your queries and functions for each section below, as well as any outputs of your work. Provide all files organized under a zipped folder.

Section A - MySQL

1. Write a query to display the name (first_name and last_name) and department ID of all employees in departments 30 or 100 in ascending order.
2. Write a query to find the manager ID and the salary of the lowest-paid employee for that manager.
3. Write a query to find the name (first_name and last_name) and the salary of the employees who earn more than the employee whose last name is Bell.
4. Write a query to find the name (first_name and last_name), job, department ID and name of all employees that work in London.
5. Write a query to get the department name and number of employees in the department.

Link to database:

https://drive.google.com/file/d/11s8l2Yyw3qz0BjuT6_wayHHM_uesuEgl/view?usp=sharing

Section B - PHP + CURL + CSV

Get today's currency rates based in EUR from the ECB and save them on a CSV file, named "usd_currency_rates_{date}", with two columns - "Currency Code" and "Rate" - based in USD.

Link to ECB rates:



<https://www.ecb.europa.eu/stats/eurofxref/eurofxref-daily.xml?5105e8233f9433cf70ac379d6ccc5775>

Section C - Python + Selenium + CSV

Get specific data - "Date" and "Close" - for the past 10 days from Yahoo Finance and save it on a CSV file, named "eur_btc_rates.csv", with two columns - "Date" and "BTC Closing Value".

Link to Yahoo rates:

<https://finance.yahoo.com/quote/BTC-EUR/history/>