

Test Summary

In this assessment, you will code a JS web application that fetches JSON data and searches through the file's contents to provide dynamic output.

Test Files

Please download and unzip Test2V2.zip from the Test 2 link. Review the JSON data and HTML code. Note that the boilerplate code for fetching data is in the JS file.

Test Challenge

In the JSON file for this assessment, there are quota and sales keys. A quota is the rep's sales target for the year, and the sales key is their actual, annual sales total. Determining the difference (delta) between the actual sales and the quota is one way in which we can rank each sales rep's performance.

You are asked to output sales vs. quota values (the quota delta) based on the sales rep's ranking and show their overall commission (sales * commission rate). Rankings are as follows:

- Gold achievers: reps with the top 5 quota deltas (5 marks)
- Bronze achievers: reps with the lowest 5 quota deltas (5 marks)
- Silver achievers: all reps that fall in between the top 5 and bottom 5 quota deltas (8 marks)

You are to code this solution dynamically, meaning that you want to assume that your solution can handle any number of sales rep objects in the JSON file.

Shown below, are the target outputs, given this current data set, for gold, silver, and bronze reps:

- ☒ Gold Reps (80% and higher)
☐ Silver Reps (60% - 79.9%)
☐ Bronze Reps (50% - 59.9%)

Search Reps

Linda Mitchell

Quota Delta:\$4001368.55
Commission:\$63770.53

Jae Pak

Quota Delta:\$3866871.23
Commission:\$82337.42

Michael Blythe

Quota Delta:\$3463178.18
Commission:\$45158.14

Jillian Carson

Quota Delta:\$2939418.37
Commission:\$47841.28

Ranjit Varkey Chudukatil

Quota Delta:\$2871616.32
Commission:\$49945.86

- ☐ Gold Reps (80% and higher)
☒ Silver Reps (60% - 79.9%)
☐ Bronze Reps (50% - 59.9%)

Search Reps

José Saraiva

Quota Delta:\$2354540.72
Commission:\$39068.11

Shu Ito

Quota Delta:\$2208535.62
Commission:\$24585.36

Tsvi Reiter

Quota Delta:\$2015185.61
Commission:\$23151.86

Rachel Valdez

Quota Delta:\$1577066.71
Commission:\$32887.20

- ☐ Gold Reps (80% and higher)
☐ Silver Reps (60% - 79.9%)
☒ Bronze Reps (50% - 59.9%)

Search Reps

David Campbell

Quota Delta:\$1323012.94
Commission:\$18876.16

Tete Mensa-Annan

Quota Delta:\$1276562.20
Commission:\$29954.68

Garrett Vargas

Quota Delta:\$1203719.47
Commission:\$14537.19

Lynn Tsoulias

Quota Delta:\$1171810.92
Commission:\$25592.60

Pamela Ansman-Wolfe

Quota Delta:\$1102577.13
Commission:\$13525.77

Note: 7 Marks are awarded for following functional style coding practices

*** End of test. Please compress your work and upload it to BlackBoard using the Test 2 link ***