

**DATA ANALYST
TECHNICAL SKILLS ASSESSMENT
PART I - PROGRAMMING**

Objective: The purpose of this exercise is to assess how well you can tackle a common programming problem as a Data Analyst at Game Hive.

Supplementary Information: Attached to this assessment is a .txt file that contains sample JSON data representing in-game store items that can be purchased with their prices in varying currencies.

Requirements: We require that you use Python to solve the problem. When submitting your assessment, please include all .py files that support your assessment. You do not need to include the supplementary .txt file provided to solve this problem. You may use any Python modules that you think will help solve this problem.

Problem: You have been tasked to write a small script that ingests this JSON data and transforms it into a data table that is easy to use for further analysis.

The final transformed data should look like the following table:

packageName	sku	countryCode	currency	price
gamehive_game1	gamehive_game1_product1	CA	CAD	69.99
gamehive_game1	gamehive_game1_product1	US	USD	48.99
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gamehive_game1	gamehive_game1_bundle1	GB	GBP	99.99

The following are some considerations:

- The column **packageName** can be found from the JSON key “packageName”
- The column **sku** can be found from the JSON key “sku”
- The column **countryCode** can be found from the JSON keys that contain two-letter country codes nested within the JSON key “prices”
- The column **currency** can be found from the JSON key “currency”
- The column **price** can be found from the JSON key “priceMicros”. The price is equal to “priceMicros” divided by 1,000,000.