



The Summary:

App Samurai started in 2016 as a mighty mobile user acquisition platform and grew rapidly all around the planet. We have been learning, launching new products, and solving deep blue ocean problems in the mobile ecosystem ever since.

Today we are helping mobile developers acquire new users with the App Samurai UA platform, help them protect their valuable advertising budgets with one of the most advanced anti-fraud solutions Interceptd, and ensure they engage and retain their users with Storyly.

Imagine that now you are part of the Growth team who are building this iconic company, however, we notice certain anomalies and problems that slow down the growth process and we want to hear your unique perspective on these issues:

The Case:

We want you to write a cost calculation program that finds the cost of the item that can contain several parts. For example, item 'a' consists of 1 of 'x' and 2 of 'y's. Each part has its own price, 'x's price 1 unit and 'y's price 2 unit, so a 'a's cost is $1*1 + 2*2 = 5$ units.

Items' prices and parts are given in json format, you need to read json from url and decode. You will calculate the cost and write it to the console. Please note that item names are unique for each item.

Json of given sample;

```
{
  "name": "a",
  "count": 2,
  "items": [
    {
      "name": "x",
      "count": 1,
      "price": 1
    },
    {
      "name": "y",
      "count": 2,
      "price": 2
    }
  ]
}
```

Expected result;

Cost of item 'a' is 10 units. // please note that 1 'a's cost is 5 but there are 2 of it so $2 * 5 = 10$ units.

sample urls;

https://prod-storyly-media.s3.eu-west-1.amazonaws.com/test-scenarios/sample_1.json

https://prod-storyly-media.s3.eu-west-1.amazonaws.com/test-scenarios/sample_2.json

https://prod-storyly-media.s3.eu-west-1.amazonaws.com/test-scenarios/sample_3.json

Notes

- Project must be shared with any git-based collaboration platform. Git commit history is used for analysis of project development so please be careful on git commit messages.