

DATA ENGINEER QUESTIONNAIRE

- Create a component which reads a json and stores in a new csv file.
- After storing in a csv, load the data into a database by creating a new table.
- Every time a new key is added in a json, or a new column is added in the csv, the new columns should be stored as a json itself as a json column in the table.
- After loading the data in the database, store the csv in a S3 bucket.

Objectives:

1. The json to be loaded:

```
{
  color: "red",
  value: "#f00"
},
{
  color: "green",
  value: "#0f0"
},
{
  color: "blue",
  value: "#00f"
},
{
  color: "cyan",
  value: "#0ff"
},
{
  color: "magenta",
  value: "#f0f"
},
{
  color: "yellow",
  value: "#ff0"
},
{
  color: "black",
  value: "#000"
}
```

2. You can either add a new `id`, `name` column inside the json or in the csv. All the additional columns other than `color` and `value` should be stored in a new column called `other_values` as a json data type in the database table.