

# Extracting JSON Data

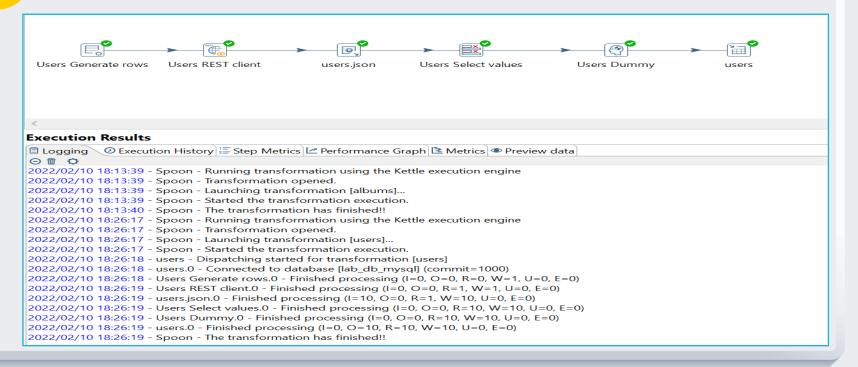
Kay Han



# Users

https://jsonplaceholder.typicode.com/users

# **Kettle Implementation**



# JSON Data: users.json

```
"id": 1,
"name": "Leanne Graham",
"username": "Bret",
"email": "Sincere@april.biz",
"address": {
 "street": "Kulas Light".
 "suite": "Apt. 556",
 "city": "Gwenborough",
 "zipcode": "92998-3874",
  "geo": {
    "lat": "-37.3159",
    "lng": "81.1496"
"phone": "1-770-736-8031 x56442",
"website": "hildegard.org",
"company": {
  "name": "Romaguera-Crona",
 "catchPhrase": "Multi-layered client-server neural-net",
  "bs": "harness real-time e-markets"
```

- 1. The file is an array which is an ordered collection of values.
  - 2. It has a nested structure with the same property name at the different levels.
  - 3. Therefore, it should indicate a correct property in order to extract the data well.

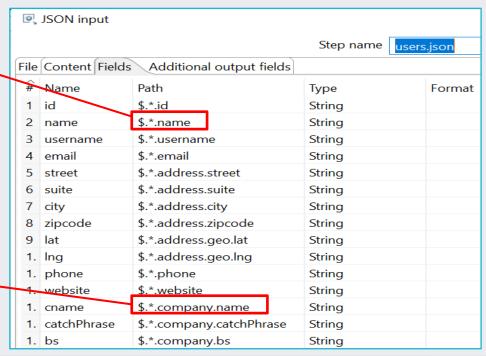
# **JSON Path**

Operator	Description
\$	The root element to query
*	Wildcard. All objects and/or elements
. <name></name>	Child operator. Dot-notated child.

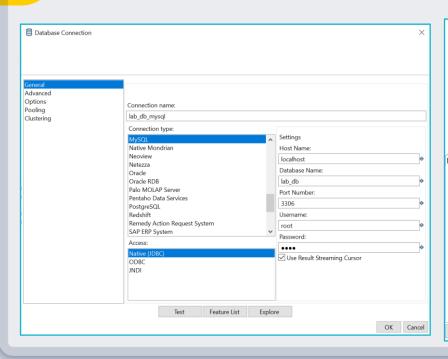
# **JSON Input: Select Fields**

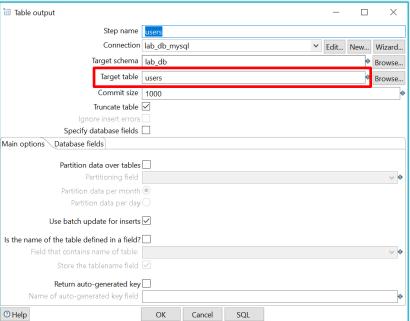
**Name** property in an array from \$root element.

**Name** property as a child property of Company property in a nested structure

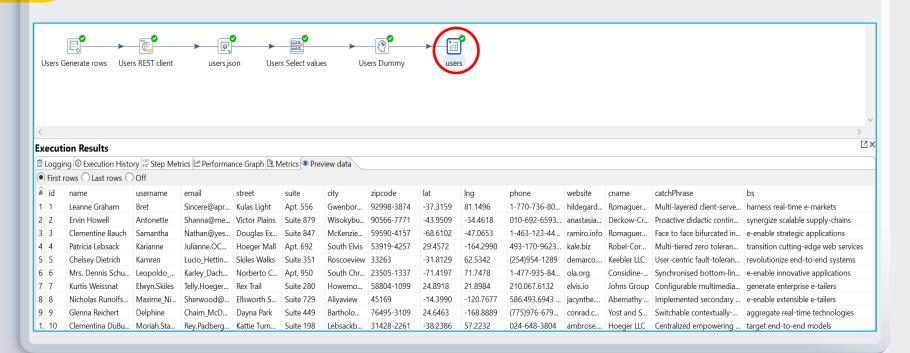


# **Database Connection & Table Output**

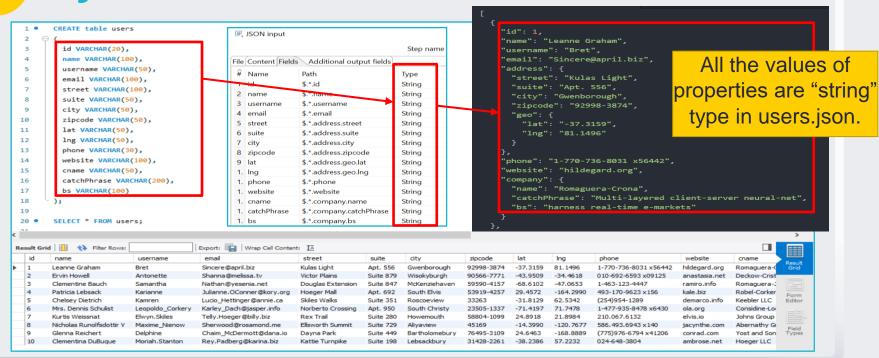




# Preview Data (Users Table)



#### MySQL Workbench: Users Table

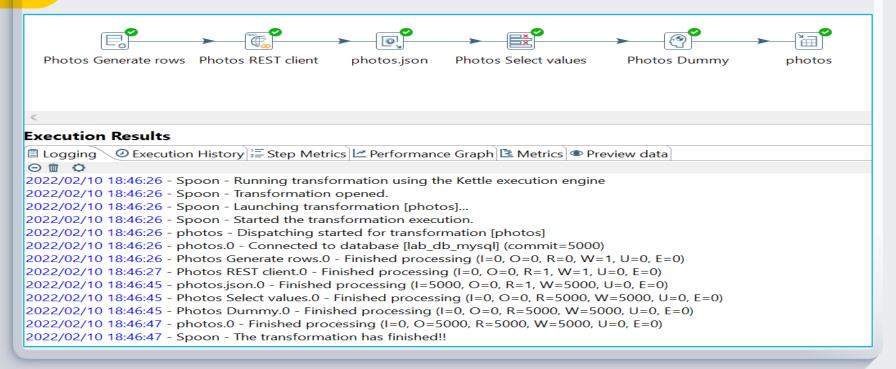




# **Photos**

https://jsonplaceholder.typicode.com/photos

# **Kettle Implementation**

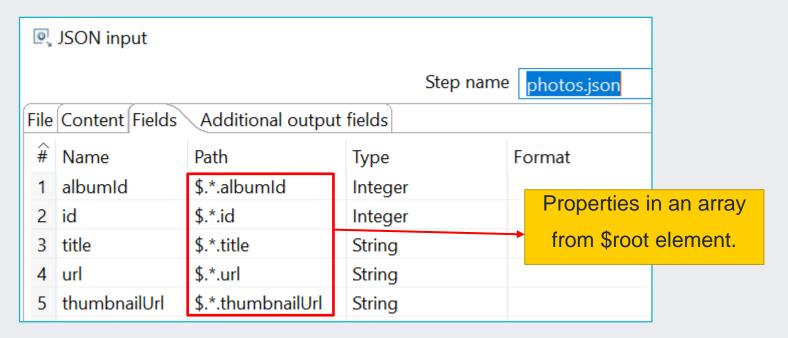


# **JSON Data: photos.json**

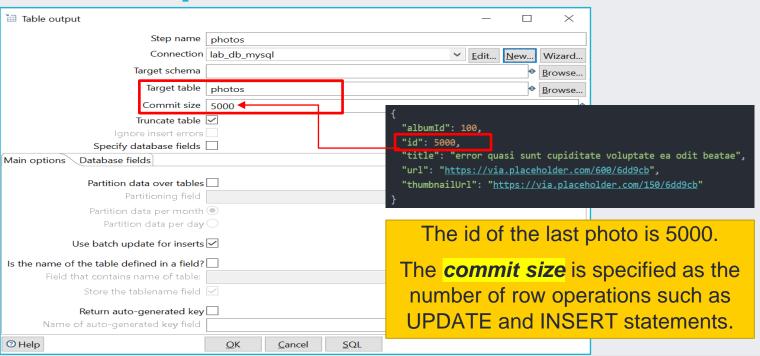
```
"albumId": 1,
"id": 1.
"title": "accusamus beatae ad facilis cum similique qui sunt",
"url": "https://via.placeholder.com/600/92c952",
"thumbnailUrl": "https://via.placeholder.com/150/92c952"
"albumId": 1,
"id": 2.
"title": "reprehenderit est deserunt velit ipsam",
"url": "https://via.placeholder.com/600/771796",
"thumbnailUrl": "https://via.placeholder.com/150/771796"
"albumId": 1,
"id": 3,
"title": "officia porro iure quia iusto qui ipsa ut modi",
"url": "https://via.placeholder.com/600/24f355",
"thumbnailUrl": "https://via.placeholder.com/150/24f355"
```

→The file is an array which is an ordered collection of values.

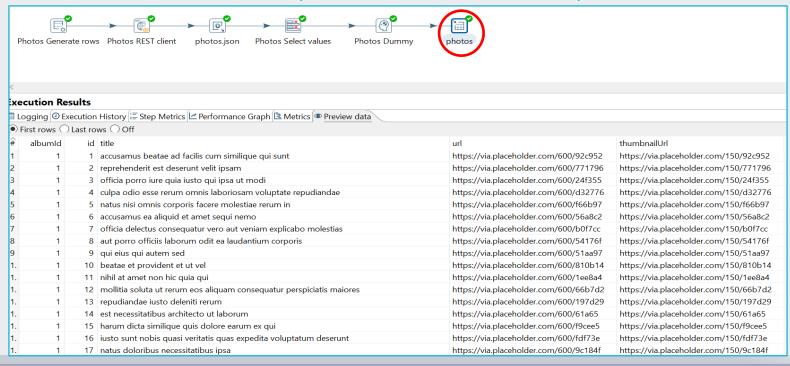
# **JSON Input: Select Fields**



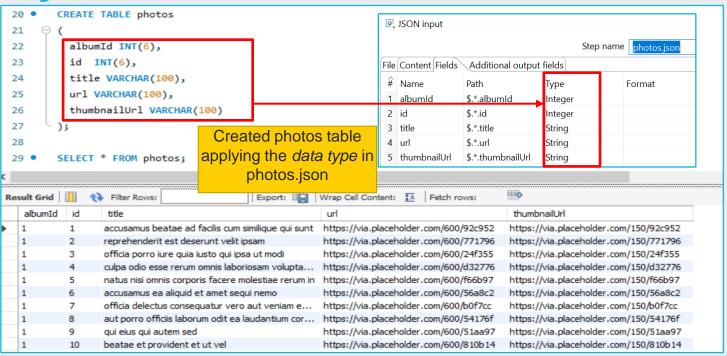
# **Table Output**



# **Preview Data (Photos Table)**



#### MySQL Workbench: Photos Table

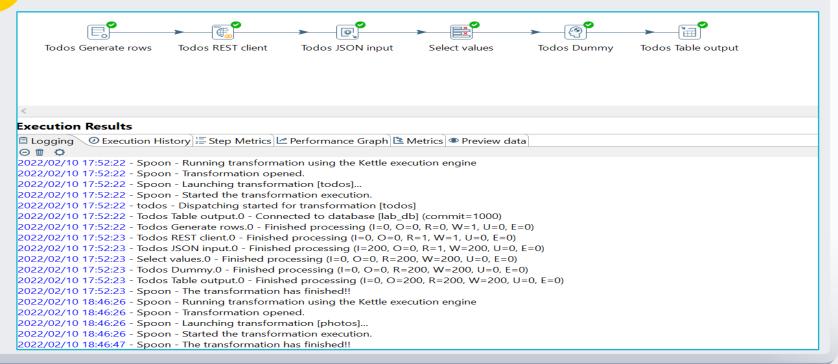




# Todos

https://jsonplaceholder.typicode.com/todos

# **Kettle Implementation**

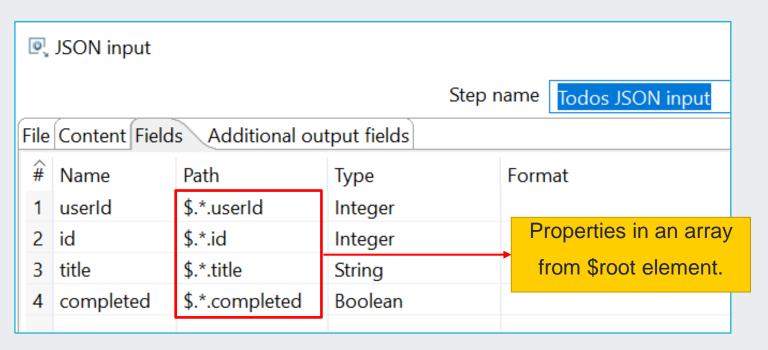


# **JSON Data: todos.json**

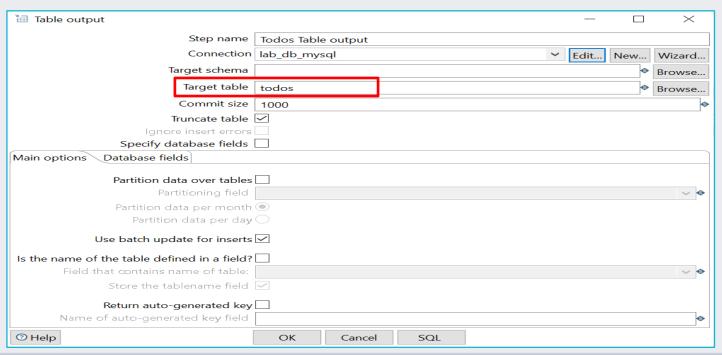
```
"userId": 1,
"id": 1,
"title": "delectus aut autem",
"completed": false
"userId": 1,
"id": 2,
"title": "quis ut nam facilis et officia qui",
"completed": false
"userId": 1,
"id": 3,
"title": "fugiat veniam minus",
"completed": false
```

→The file is an array which is an ordered collection of values.

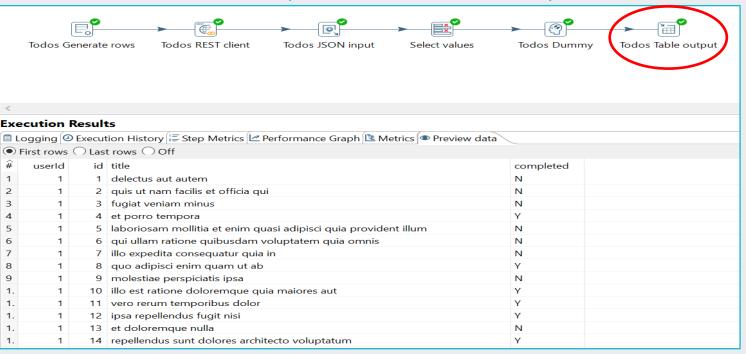
# **JSON Input**



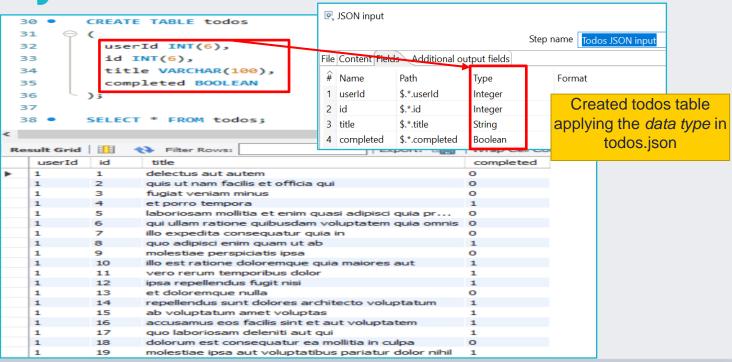
# **Table Output**



# Preview Data (Todos Table)



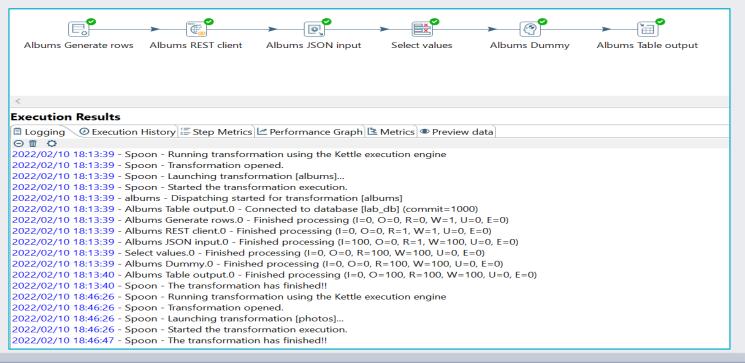
# MySQL Workbench: Todos





https://jsonplaceholder.typicode.com/albums

# **Kettle Implementation**

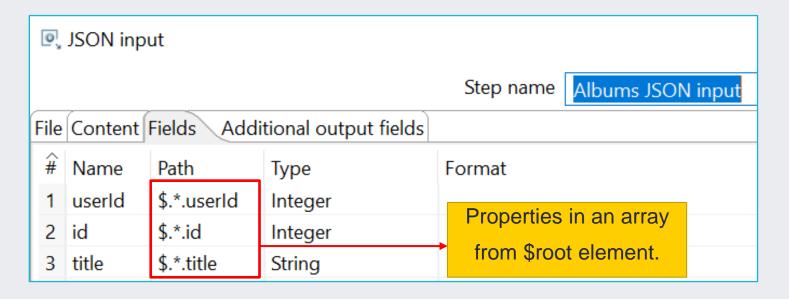


# JSON Data: albums.json

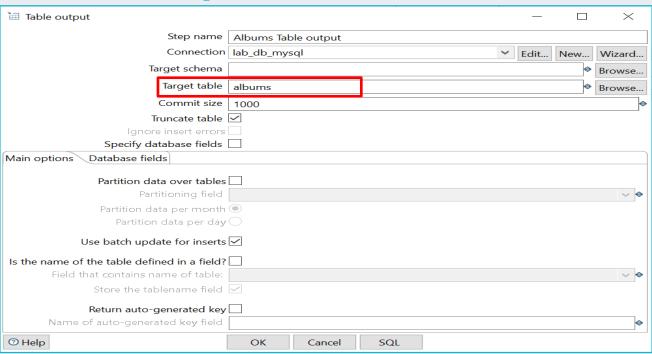
```
"userId": 1,
"id": 1,
"title": "quidem molestiae enim"
"userId": 1,
"id": 2,
"title": "sunt qui excepturi placeat culpa"
"userId": 1,
"id": 3,
"title": "omnis laborum odio"
```

→The file is an array which is an ordered collection of values.

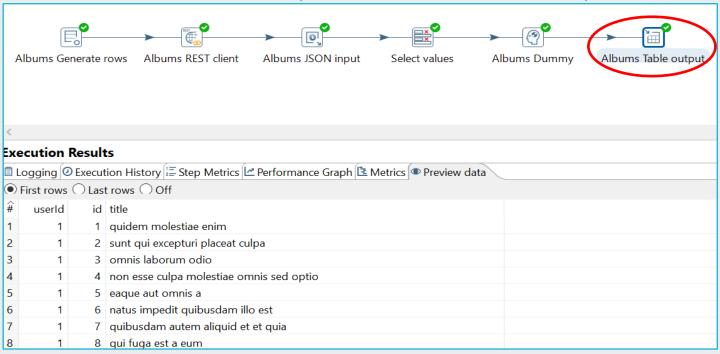
# **JSON Input**



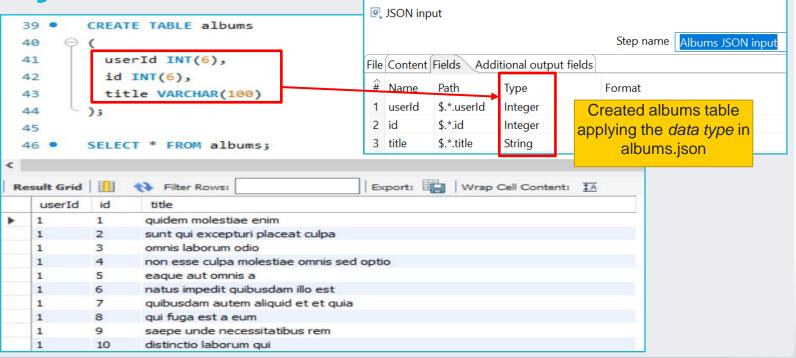
# **Table Output**



# Preview Data (Albums Table)



MySQL Workbench: Albums



# References

https://goessner.net/articles/JsonPath/

https://www.json.org/json-en.html

https://help.hitachivantara.com/Documentation/Pent

aho/8.3/Products/Table\_Output