Convert JSON file to CSV with Python

JSON file

In [ ]:

```python
import pyodbc
import pandas as pd
import datetime
import csv
```

In [ ]:

```python
# Write the complete path/filename
json_file = 'file.json'
csv_file = 'file.csv'
```

In [ ]:

```python
# Loading JSON file
print("\n")
print("Process was initiated")
print("\n")

print("Loading file '%s'" % json_file)
print("\n")

df = pd.read_json(json_file, orient='columns')

print("File '%s' was successfully load!" % json_file)
print("\n")
```

In [ ]:

```python
# You will need to specify the columns
print("Getting values from columns JSON")
print("\n")
# Some Examples for coding
id = [d for d in df['_id']]
idCustomer = [d.get('idCustomer') for d in df['_source']]
date = [d.get('data') for d in df['_source']]
date = [datetime.datetime.strptime(d[:19], '%Y-%m-%dT%H:%M:%S') for d in date]
duration = [d.get('duration') for d in df['_source']]
Order = [d.get('order') for d in df['_source']]
idOrder = [id.get('id') if id is not None else None for id in order ]

#Testes
#print(idCustomer)
#print(idOrder)
#df[['_id','_source']]
```

In [ ]:

```python
# Create a dataframe to export to csv_file
print("Creating the dataframe to export to csv_file")
print("\n")


data = pd.DataFrame(data=[id,idCustomer,date,duration,Order, idOrder]).transpose()

# Columns name
data.columns = ['Id','IdCustomer','Date','Duration','Order','IdOrder']

print("Dataframe was successfully created")
print("\n")
```

In [ ]:

```python
# Create the csv_file
print("Creating the csv_file '%s'" % csv_file)
print("\n")


data.to_csv(csv_file, index=False, na_rep="")

print("File '%s' successfully created!" % csv_file)
print("\n")
```