

```
In [1]: pip install kafka-python
```

Requirement already satisfied: kafka-python in c:\users\devanand\anaconda3\lib\site-packages (2.0.2)

Note: you may need to restart the kernel to use updated packages.

```
In [2]: import pandas as pd
from kafka import KafkaProducer
from time import sleep
from json import dumps
import json
```

```
In [5]: producer = KafkaProducer(bootstrap_servers=['localhost:9092'], #change ip here
                                value_serializer=lambda x:
                                    dumps(x).encode('utf-8'))
```

```
In [8]: producer.send('demokafka', value={'Gaurav': 'Kaku'})
```

```
Out[8]: <kafka.producer.future.FutureRecordMetadata at 0x21e13b2baf0>
```

```
In [24]: import pandas as pd
df=pd.read_csv(r"C:\Users\Devanand\Desktop\NIFTY50_all.csv")
df.sample(1).to_dict(orient="records")[0]
```

```
Out[24]: {'Date': '2007-06-15',
'Symbol': 'GAIL',
'Series': 'EQ',
'Prev Close': 293.4,
'Open': 298.0,
'High': 301.5,
'Low': 293.0,
'Last': 296.0,
'Close': 295.65,
'VWAP': 297.64,
'Volume': 371927,
'Turnover': 11069974935000.0,
'Trades': nan,
'Deliverable Volume': 202401.0,
'%Deliverable': 0.5442}
```

```
In [ ]: while True:
        dict_stock = df.sample(1).to_dict(orient="records")[0]
        producer.send('demokafka', value=dict_stock)
        sleep(2)
```

```
In [31]: producer.flush()
```

```
In [ ]:
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