



Digital Brain Technologies ML Engineer Task

TASK 1

- install kafka using docker.
- create a kafka topic using kafka cli command.
- send message to kafka topic using kafka cli command.
- listen messages produced on some topic using kafka cli command.

TASK 2

- using any programming language, get only the data on page 1 from <https://scrapeme.live/shop/>. The data sample is as follows.

name	price	description	stock
Bulbasaur	£63.00	Bulbasaur can be seen napping in bright sunlight. There is a seed on its back. By soaking up the sun's rays, the seed grows progressively larger.	45 in stock

- write the data you get in 1 second intervals and json format to the kafka topic.
- save the data written to the kafka topic in a file.
- write rest api service for the data you have saved in the file. You can use any programming language you want.

```
[
  {
    "name": "aaa",
    "price": "£63.00",
    "description": "Bulbasaur can be seen napping in bright sunlight. There is a seed on its back. By soaking up the sun's rays, the seed grows progressively larger" ,
    "stock": "45 in stock"
  },
  {
    ...
  },
  {
    ...
  }
]
```

TASK 3

- after completing task 1 and task 2, dockerize your work
- push your work to your github account. Share your github repo with us.