First exercise:

Prerequisites:
Use Jackson library for string/bytes to Json deserialization
Scala 2.11/2.12

Write a recursive method "jsonToMap" which converts any json input to a scala Map while retaining the structure (Do not use Jackson library read to a Map that's not what we are looking for)
A nested json it will end up with a Map-of-Maps.

```
def jsonToMap(json:InputStream):Map[String, Any]
```

Input json example:

```
{
  "id" : 10001,
  "name": "Alex Smith",
  "payments" : [
            {
            "timestamp": "ISO_DATE",
            "amount" : 100.59
            },
            {
            "timestamp": "ISO_DATE",
            "amount" : 12.99
            }
  ],
  "address": {
            "first": "12 Watergarden",
            "second": "Kings Cross",
            "postcode" :"W1 5AX",
            "country" : "UK",
            "coordiantes" : {
            "lat" : 51,
            "lon" : 0
            }
  }
}
```

Exercise 2:

Create a REST application with a single endpoint :

```
  POST /api/convert
            Body:
            {
            "fromCurrency": "GBP",
            "toCurrency"  : "EUR",
```

```
"amount" : 102.6
}
```

The return should be an object with the exchange rate between the "fromCurrency" to "toCurrency" and the amount converted to the second curency.

```
{
  "exchange" : 1.11,
  "amount"   : 113.886,
  "original" : 102.6
}
```

The exchange rates should be dynamic and loaded from https://exchangeratesapi.io/api/latest on demand