

Lab 7 JavaScript and JSON

Given: Thursday, September 27, 2018

Deadline: Thursday, October 11, 2018

[Lab 7 JavaScript and JSON](#)

[What you need to have done within lab hours](#)

[Exercise 1 \(2 points\)](#)

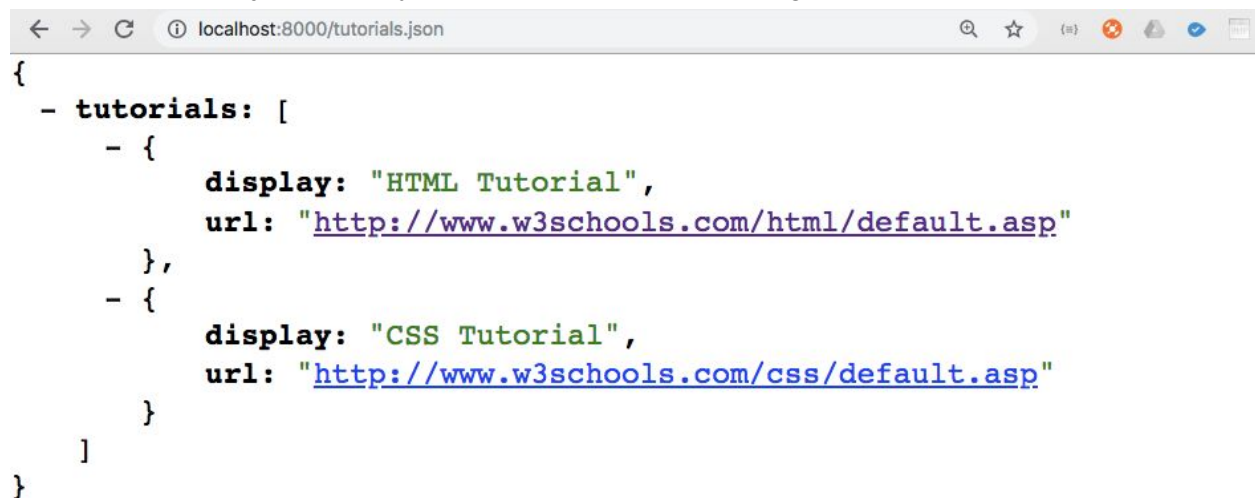
[Exercise 2 \(3 points\)](#)

[Exercise 3 \(5 points\)](#)

What you need to have done within lab hours

Exercise 1 (2 points)

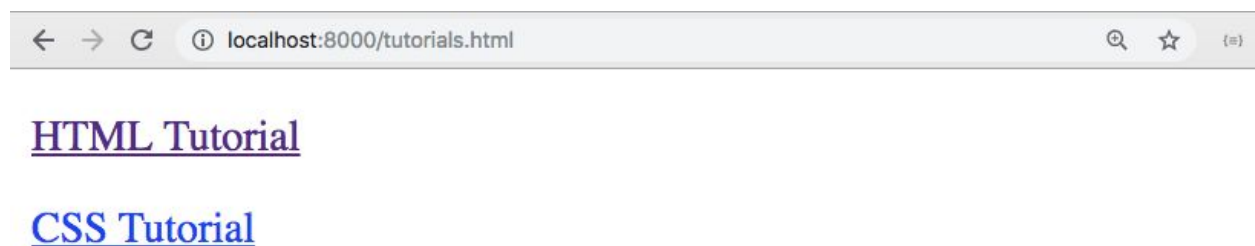
File Input: tutorials.json which you can download it from Google classroom course.



```
{
  - tutorials: [
    - {
      display: "HTML Tutorial",
      url: "http://www.w3schools.com/html/default.asp"
    },
    - {
      display: "CSS Tutorial",
      url: "http://www.w3schools.com/css/default.asp"
    }
  ]
}
```

Figure 1: Input file tutorials.json

Web Output: note that if the user clicks the link of the tutorial name then there will be a new window with the URL of that tutorial



[HTML Tutorial](#)

[CSS Tutorial](#)

Figure 2: Web output for tutorials.json

Exercise 2 (3 points)

Web API:

https://api.data.go.th/search_virtuoso/api/dataset/query?dsname=vir_237_1535648421&loadAll=1&type=json&limit=10

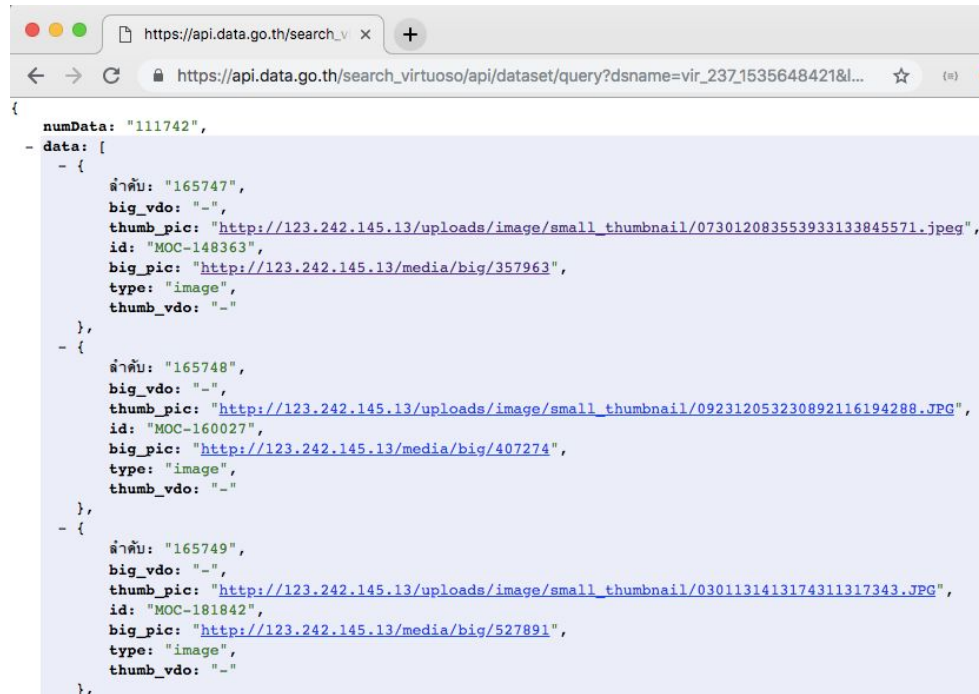


Figure 3: Open data images Web API

Web output: list with ordering numbers of all 10 retrieved images as shown in

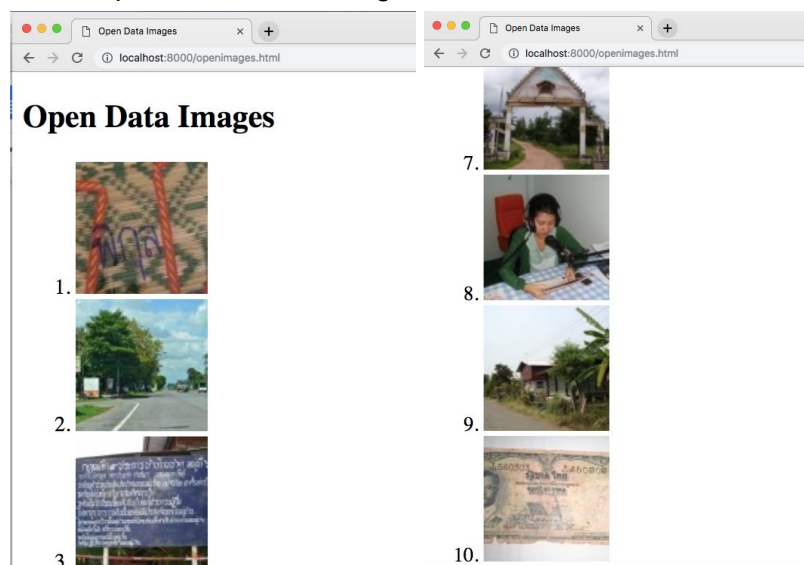


Figure 4: The output of calling open data images API

Exercise 3 (5 points)

File Input: activities.json which lists top activities in KKU in the given file

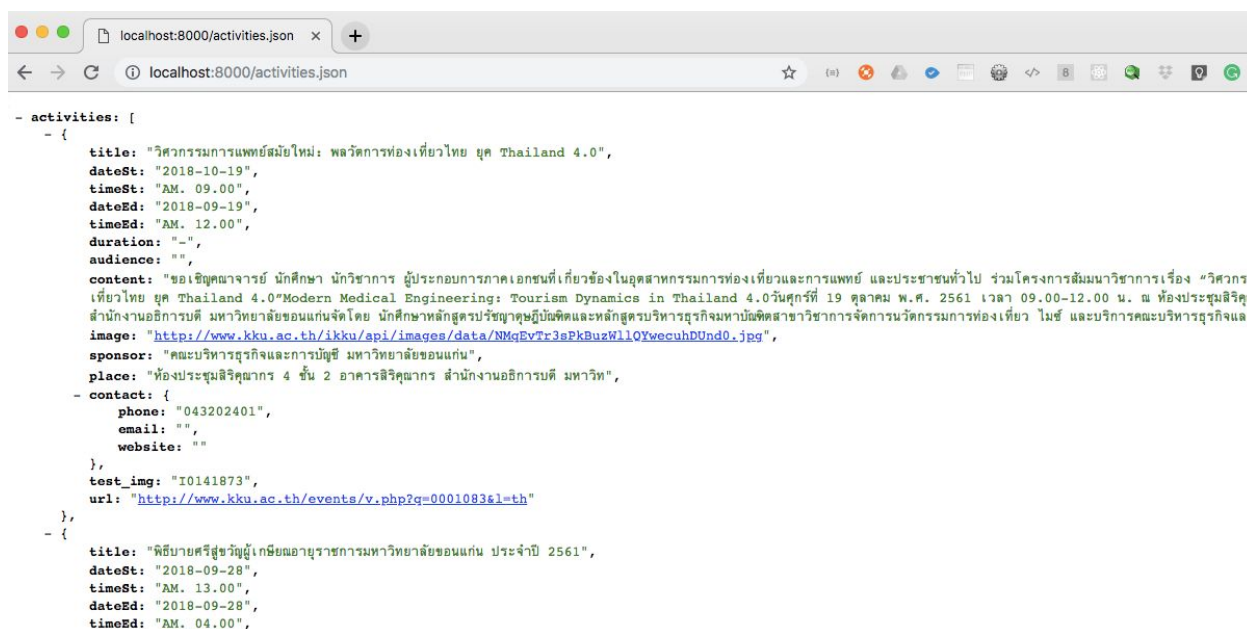


Figure 5: The input files activities.json

Web output: list and number each activity with its date started, time started, and phone number. Then the next line has the title of each activity linked to its URL, then the next line shows its image with width=50% and height auto so that the height is scaled with the adjust width



Figure 6: The output of parsing activities.json