

First part Activity08 in-class

# MoviesFromJSON

# MoviesFromJSON

Including images from URL



Let's create a HTML  
Web page similar to  
this :



Follow the  
instructions  
of your  
Professor.





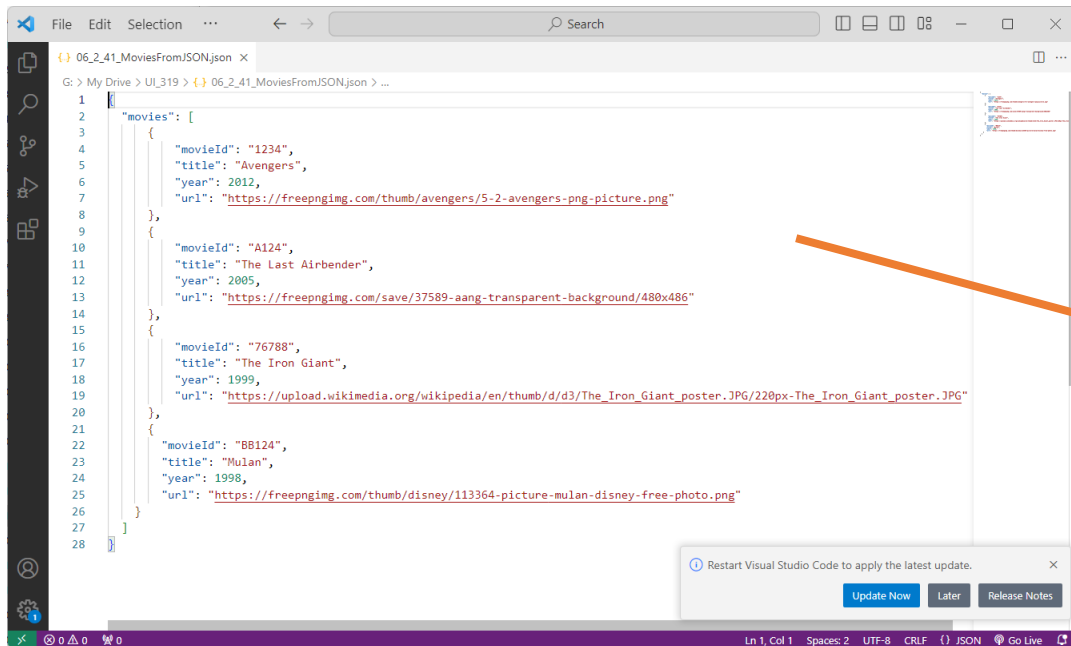
<https://freepngimg.com/>

Given the next JSON file : **MoviesFromJSON.json**

```
{
  "movies": [
    {
      "movieId": "1234",
      "title": "Avengers",
      "year": 2012,
      "url": "https://freepngimg.com/thumb/avengers/5-2-avengers-png-picture.png"
    },
    {
      "movieId": "A124",
      "title": "The Last Airbender",
      "year": 2005,
      "url": "https://freepngimg.com/save/37589-aang-transparent-background/480x486"
    },
    {
      "movieId": "76788",
      "title": "The Iron Giant",
      "year": 1999,
      "url": "https://upload.wikimedia.org/wikipedia/en/thumb/d/d3/The_Iron_Giant_poster.JPG/220px-The_Iron_Giant_poster.JPG"
    },
    {
      "movieId": "BB124",
      "title": "Mulan",
      "year": 1998,
      "url": "https://freepngimg.com/thumb/disney/113364-picture-mulan-disney-free-photo.png"
    }
  ]
}
```

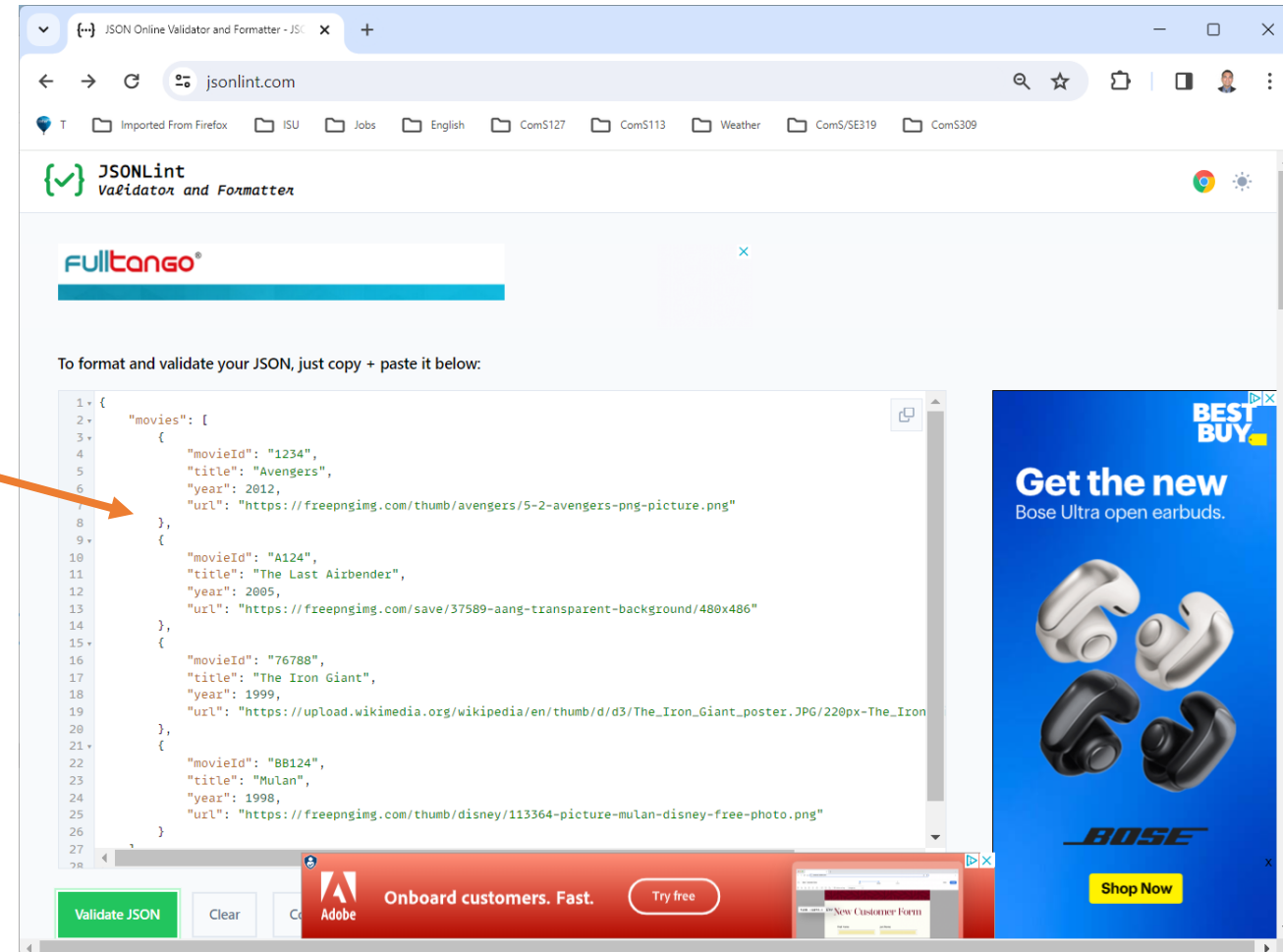
Test the JSON in <https://jsonlint.com/> :

Open the given file `MoviesFromJSON.json`  
And past it to the validator :



The screenshot shows a Visual Studio Code editor window with a file named `06_2_41_MoviesFromJSON.json` open. The file contains a JSON array of movie objects. An orange arrow points from the JSON content in the editor to the JSONLint website in the next screenshot.

```
1 {
2   "movies": [
3     {
4       "movieId": "1234",
5       "title": "Avengers",
6       "year": 2012,
7       "url": "https://freepngimg.com/thumb/avengers/5-2-avengers-png-picture.png"
8     },
9     {
10      "movieId": "A124",
11      "title": "The Last Airbender",
12      "year": 2005,
13      "url": "https://freepngimg.com/save/37589-aang-transparent-background/480x486"
14    },
15    {
16      "movieId": "76788",
17      "title": "The Iron Giant",
18      "year": 1999,
19      "url": "https://upload.wikimedia.org/wikipedia/en/thumb/d/d3/The_Iron_Giant_poster.JPG/220px-The_Iron_Giant_poster.JPG"
20    },
21    {
22      "movieId": "88124",
23      "title": "Mulan",
24      "year": 1998,
25      "url": "https://freepngimg.com/thumb/disney/113364-picture-mulan-disney-free-photo.png"
26    }
27  ]
28 }
```



The screenshot shows the JSONLint website (jsonlint.com) with the JSON from the previous screenshot pasted into the input field. The JSON is valid, and the website displays the formatted output. A red banner at the bottom of the website reads "Onboard customers. Fast. Try free".

```
1 {
2   "movies": [
3     {
4       "movieId": "1234",
5       "title": "Avengers",
6       "year": 2012,
7       "url": "https://freepngimg.com/thumb/avengers/5-2-avengers-png-picture.png"
8     },
9     {
10      "movieId": "A124",
11      "title": "The Last Airbender",
12      "year": 2005,
13      "url": "https://freepngimg.com/save/37589-aang-transparent-background/480x486"
14    },
15    {
16      "movieId": "76788",
17      "title": "The Iron Giant",
18      "year": 1999,
19      "url": "https://upload.wikimedia.org/wikipedia/en/thumb/d/d3/The_Iron_Giant_poster.JPG/220px-The_Iron_Giant_poster.JPG"
20    },
21    {
22      "movieId": "88124",
23      "title": "Mulan",
24      "year": 1998,
25      "url": "https://freepngimg.com/thumb/disney/113364-picture-mulan-disney-free-photo.png"
26    }
27  ]
28 }
```

First .- Create a HTML :

**netId\_Activity08\_MoviesFromJSON.html**

**1) id="goodmovies" :**

```
<body>
    <h1>List of movies, text and images from JSON file.</h1>

    <div id="goodmovies">    </div>

    <script src="./netId_Activity08_MoviesFromJSON.js"></script>
</body>
```

## Second .- Create a Javascript : **MoviesFromJSON.js**

### 2) Fetch :

```
fetch("./netId_Activity08_MoviesFromJSON.json")  
  .then(response => response.json())  
  .then(myMovies => loadMovies(myMovies));
```





When we use fetch, we require a  
http server  
to execute the web page.

Remember the one previous exercise where we added superheroes to a web page : Superman, Batman and Spiderman.

We use a function to create the web page :

JS 05\_3\_41\_JSON\_to\_HTML\_Fetch\_persons.js X

G: > My Drive > UI\_319 > JS 05\_3\_41\_JSON\_to\_HTML\_Fetch\_persons.js > ...

```
1
2 fetch('./05_3_41_persons.json')
3   .then(function (response) {
4     return response.json();
5   })
6   .then(function (data) {
7     appendMoreData(data);
8   })
9   .catch(function (err) {
10    console.log('error:' + err);
11  })
12
13 function appendMoreData(data) {
14   let mainContainer = document.getElementById("myData2");
15   for (let person of data) {
16     console.log(person);
17     let div = document.createElement("div");
18     div.innerHTML = `<br>
19     <h1> Superhero : </h1>
20     Firstname : ${person.firstName} <br>
21     Lastname  : ${person.lastName} <br>
22     Job       : ${person.job} <br>
23     Roll      : ${person.roll}`;
24     mainContainer.appendChild(div);
25   }
26 } // end of function appendData
```

Develop the function, use DOM statement getElementById :

### 3) Function **loadMovies**(myMovies) :

```
function loadMovies(myMovies) {  
    var mainContainer = document.getElementById("goodmovies");
```

I saw you  
before

Your Professor will show the code if necessary to write,  
understand and execute it.

```
{  
  "movies": [  
    {  
      "movieId": "1234",  
      "title": "Avengers",  
      "year": 2012,  
      "url": "https://freepngimg.com/  
    },  
    {  
      "movieId": "A124",  
      "title": "The Last Airbender",  
      "year": 2005,  
      "url": "https://freepngimg.com/  
    },  
    {  
      "movieId": "76788",  
      "title": "The Iron Giant",  
      "year": 1999,  
      "url": "https://upload.wikimedia.org/wikipedia/commons/0/08/Iron_Giant.jpg"  
    },  
    {  
      "movieId": "BB124",  
      "title": "Mulan",  
      "year": 1998,  
      "url": "https://freepngimg.com/  
    }  
  ]  
}
```

}

Show some results in the `console.log()`