

# How to connect to a JSON API output results on page using AJAX JavaScript

In this example we connect to the Star Wars API at <https://swapi.dev/>  
The API returns results that are within an array format, then using JavaScript loop through the results array and output either the title or the name that is being returned into the results of the JSON data.

 

Search for films

A New Hope

The Empire Strikes Back

Return of the Jedi

The Phantom Menace

Attack of the Clones

Revenge of the Sith

```
films app2.js:6
app2.js:23
{count: 6, next: null, previous:
null, results: Array(6)} i
  count: 6
  next: null
  previous: null
  ▶ results: (6) [{...}, {...}, {...}, {
  ▶ [[Prototype]]: Object
```

```
<!DOCTYPE html>
<html>
<head>
  <title>JavaScript</title>
</head>
<body>
  <select>
    <option>films</option>
    <option>people</option>
    <option>planets</option>
  </select>
  <button>Connect</button>
  <div class="output"></div>
  <script src="app2.js"></script>
</body>
</html>
```

```
const selVal = document.querySelector('select');
const btn = document.querySelector('button');
const output = document.querySelector('.output');
const url = 'https://swapi.dev/api/';
btn.addEventListener('click', ()=>{
  console.log(selVal.value);
  btn.disabled = true;
  output.innerHTML = 'searching....';
  fetch(url+'/'+selVal.value)
  .then(res => res.json())
  .then(data => {
    myOutput(data, selVal.value);
  })
})
```

```
}}
```

```
function myOutput(data, val) {  
  const total = data.results;  
  const itemName = val === 'films' ? 'title' : 'name';  
  btn.disabled = false;  
  output.innerHTML = `Search for ${val}`;  
  console.log(data);  
  total.forEach(ele => {  
    output.innerHTML += `

${ele[itemName]}</div>`;  
  });  
}


```