

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content=
"width=device-width, initial-scale=1.0" />
  <title>Document</title>
</head>

<body>
  <h1>
    How to Load XML from JavaScript?
  </h1>
  <script>
    const xmlString =
      `<tutorials>
        <tutorial>
          <id>1</id>
          <title>
            Introduction to JavaScript
          </title>
        </tutorial>
        <tutorial>
          <id>2</id>
          <title>
            Advanced CSS Techniques
          </title>
        </tutorial>
      </tutorials>`;

    const parser = new DOMParser();
    const xmlDoc = parser.
      parseFromString(xmlString, "text/xml");

    const tutorialsNode = xmlDoc.
      querySelector("tutorials");

    const tutorials = tutorialsNode.
      querySelectorAll("tutorial");
    tutorials.forEach((tutorial) => {
      const id = tutorial.
        querySelector("id").textContent;
      const title = tutorial.
        querySelector("title").textContent;
      console.log(
        `Tutorial ID: ${id}, Title: ${title}`);
    });
  </script>
</body>

</html>

```

## JAVA SCRIPT + External XML

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content=
"width=device-width, initial-scale=1.0" />
  <title>Document</title>
</head>

<body>
  <h1>
    How to Load XML from JavaScript?
  </h1>
  <script>
    fetch("tutorials.xml")
      .then((response) => response.text())
      .then((xmlString) => {
        const parser = new DOMParser();
        const xmlDoc = parser.
          parseFromString(xmlString, "text/xml");

        const tutorials = xmlDoc.
          querySelectorAll("tutorial");
        tutorials.forEach((tutorial) => {
          const id = tutorial.
            querySelector("id").textContent;
          const title = tutorial.
            querySelector("title").textContent;
          console.log(
            `Tutorial ID: ${id}, Title: ${title}`);
        });
      });
  </script>
</body>

</html>

<!-- tutorials.xml -->
<tutorials>
  <tutorial>
    <id>1</id>
    <title>Introduction to JavaScript</title>
  </tutorial>
  <tutorial>
    <id>2</id>
    <title>Advanced CSS Techniques</title>
  </tutorial>
</tutorials>
```

# XML in Node.js using xml2js

Step 1: Create a new directory for your project.

```
mkdir xml-parser
```

```
cd xml-parser
```

Step 2: Initialize a new Node.js project.

```
npm init -y
```

Step 3: Install the required dependencies.

```
npm install xml2js
```

Step 4: Create a xml file named tutorials.xml in your project directory and add the XML content you provided in your example.

Step 5: Create a JavaScript file named index.js in your project directory and add the provided JavaScript code to it.

Step 6: Run your application.

```
node index.js
```

```
// index.js
```

```
const fs = require("fs");
```

```
const xml2js = require("xml2js");
```

```
fs.readFile("tutorials.xml", "utf-8",
```

```
  (err, data) => {
```

```
    if (err) {
```

```
      console.error(err);
```

```
      return;
```

```
    }
```

```
    xml2js.parseString(data,
```

```
      (err, result) => {
```

```
        if (err) {
```

```
          console.error(err);
```

```
          return;
```

```
        }
```

```
        const tutorials =
```

```
          result.tutorials.
```

```
            tutorial;
```

```
        tutorials.forEach(
```

```
          (tutorial) => {
```

```
            const id =
```

```
              tutorial.id[0];
```

```
            const title =
```

```
              tutorial.title[0];
```

```
            console.log(
```

```
              `Tutorial ID: ${id},
```

```
        Title: ${title}`);
    });
});
```

```
<!-- tutorials.xml -->
<tutorials>
  <tutorial>
    <id>1</id>
    <title>Introduction to JavaScript</title>
  </tutorial>
  <tutorial>
    <id>2</id>
    <title>Advanced CSS Techniques</title>
  </tutorial>
</tutorials>
```