

Axios Vs Fetch

Fetch is function provided by node.js and Browser

Axios is an external library which make it easier to send http request.

Axios is more popular way to send http request.

Finding length of todos

```
function main(){  
  // fetch return a promise  
  fetch("https://sum-server.100xdevs.com/todos")  
  .then(async response => {  
    const json = await response.json();  
    // since we know that it will send json hence we send it in this  
way , other example could be await response.text()  
    // passing out some text and converting it into json , it is  
asynchronous if we don't await on it the Promise will be stored in it  
    console.log(json.todos.length)  
  
  })  
}  
main();
```

4 (vary with time to time)

```
async function main(){  
  const response = await fetch("https://sum-server.100xdevs.com/todos")  
  const json = await response.json();  
  console.log(json.todos.length);  
}  
main();
```

Axios

```
const axios = require ("axios")  
async function main(){
```

```

    const response = await
axios.get("https://sum-server.100xdevs.com/todos")
    // axios is smart library we dont have to specify what type of data is
coming back
    // response.data
    console.log(response.data.todos.length);
}
main();

```

Sending POST request

```

const axios = require ("axios")

async function main(){
    const response = await
fetch("https://sum-server.100xdevs.com/todos",{method:"POST"});
    const json = await response.json();
    console.log(json.todos.length);
}

// sending POST/PUT/ request
async function main(){
    const response = await
axios.post("https://sum-server.100xdevs.com/todos")
    // axios is smart library we dont have to specify what type of data is
coming back
    // response.data
    console.log(response.data);
}
main();

```

Sending headers and body in Axios and Fetch

```

const axios = require ("axios")

async function main(){
    const response = await fetch("https://sum-server.100xdevs.com/todos",
    {
        method:"POST",
        body:{

```

```

        username:"Thapu",
        password:"12345"
    },
    headers:{
        "Authorization":"Bearer 123"
    }
});
const textualData = await response.text();
console.log(textualData)
}

// sending POST/PUT/ request
async function main(){
    const response = await
    axios.post("https://sum-server.100xdevs.com/todos",{
        username:"Thapa",
        password:"13456"
    },{
        headers:{
            "Authorization":"Bearer 1234"
        }
    })
    // axios is smart library we dont have to specify what type of data is
    coming back
    // response.data
    console.log(response.data);
}
main();

```

httpdump.com

Here we can see whether we are sending correct body, headers and query parameter etc.

In get request we can't send body.

Second argument is body and thirds is header in axios.