

A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is a light green color. They are positioned diagonally, with the blue one in front of the green one.

JavaScript (cont)

Anton Bäckström



Recursion

```
function factorial(n) {  
  if (n <= 1)  
    return 1;  
  return n * factorial(n - 1);  
}
```



HTTP Get requests

```
function httpGet(theUrl, callback) {  
    const http = new XMLHttpRequest();  
    http.open('GET', theUrl, true);  
  
    http.onreadystatechange = function () {  
        if (http.readyState == 4 && http.status == 200)  
            callback(http.responseText);  
    };  
  
    http.send(null);  
}
```



HTTP Post requests

```
function httpPost(theUrl, params, callback) {  
    const http = new XMLHttpRequest();  
    http.open('POST', theUrl, true);  
  
    http.setRequestHeader('Content-type', 'application/x-www-form-urlencoded');  
  
    http.onreadystatechange = function () {  
        if (http.readyState == 4 && http.status == 200)  
            callback(http.responseText);  
    };  
  
    http.send(params);  
}
```



JSON

```
{  
  "id": "1337",  
  "commenter": "Anton Bäckström",  
  "message": "Lorem ipsum",  
  "likes": "999",  
  "creation": "2018-01-17T21:11:41.454Z",  
  "answers": "[]"  
}
```



JSON - parsing

```
const obj = {  
  id: '1337',  
  commenter: 'Anton Bäckström',  
  message: 'Lorem ipsum',  
  likes: '999',  
  creation: '2018-01-17T21:11:41.454Z',  
  answers: '[]',  
};  
  
const str = JSON.stringify(obj);  
const obj1 = JSON.parse(str);
```