

Immediately Invoked Function Expressions (IIFEs)

HTML, CSS, and Javascript for Web Developers



app.js — Lecture52

script1.js script2.js app.js index.html

```

1 yaakovGreeter.sayHello();
2 johnGreeter.sayHi();
3
4
5

```

Developer Tools - http://localhost:3000/index.html

Elements Console >>

<top frame>

Hello Yaakov	script1.js:4
Hi John	script2.js:4

>

```

1 var yaakovGreeter = {};
2 yaakovGreeter.name = "Yaakov";
3 var greeting = "Hello ";
4 yaakovGreeter.sayHello = function () {
5     console.log(greeting + yaakovGreeter.name);
6 }
7

```

Elements Console >>

<top frame>

Hello Yaakov script1.js:4
Hi John script2.js:4

```

1 var johnGreeter = {};
2 johnGreeter.name = "John";
3 var greeting = "Hi ";
4 johnGreeter.sayHi = function () {
5   console.log(greeting + johnGreeter.name);
6 }

```

<top frame>

Hello Yaakov	script1.js:4
Hi John	script2.js:4

>

app.js — Lecture52

script1.js script2.js app.js index.html

```

1 // yaakovGreeter.sayHello();
2 // johnGreeter.sayHi();
3
4 function a() {
5     console.log("Hello Coursera!");
6 }
7
8 a();
9
10
11

```

Developer Tools - http://localhost:3000/index.html

Elements Console >>

<top frame>

Hello Coursera! app.js:5

>

app.js — Lecture52

script1.js script2.js app.js index.html

```

1 // yaakovGreeter.sayHello();
2 // johnGreeter.sayHi();
3
4 var a = function () {
5     console.log("Hello Coursera!");
6 }
7
8 a();
9
10
11

```

Developer Tools - http://localhost:3000/index.html

Elements Console >>

<top frame>

Hello Coursera! app.js:5

>

app.js — Lecture52

```

1 // yaakovGreeter.sayHello();
2 // johnGreeter.sayHi();
3
4 var a = (function () {
5     console.log("Hello Coursera!");
6 }());
7
8 a();
9
10
11

```

Developer Tools - http://localhost:3000/index.html

Elements Console >>

<top frame>

Hello Coursera! app.js:5

>

app.js — Lecture52

script1.js script2.js app.js index.html

```

1 // yaakovGreeter.sayHello();
2 // johnGreeter.sayHi();
3
4 // Immediately Invoked Function Expression
5 // IIFE
6 (function () {
7     console.log("Hello Coursera!");
8 })();
9
10
11
12
13
    
```

Developer Tools - http://localhost:3000/index.html

Elements Console >>

<top frame>

Hello Coursera! app.js:7

>

app.js — Lecture52

script1.js script2.js app.js index.html

```

1 // yaakovGreeter.sayHello();
2 // johnGreeter.sayHi();
3
4 // Immediately Invoked Function Expression
5 // IIFE
6 (function (name) {
7     console.log("Hello " + name);
8 })();
9
10
11
12
13

```

Developer Tools - http://localhost:3000/index.html

Elements Console >>

<top frame>

Hello undefined app.js:7

>

app.js — Lecture52

script1.js script2.js app.js index.html

```

1 // yaakovGreeter.sayHello();
2 // johnGreeter.sayHi();
3
4 // Immediately Invoked Function Expression
5 // IIFE
6 (function (name) {
7     console.log("Hello " + name);
8 })(__Coursera!__);
9
10
11
12
13

```

Developer Tools - http://localhost:3000/index.html

Elements Console >>

<top frame>

Hello Coursera! app.js:7

>

script1.js — Lecture52

script1.js script2.js app.js index.html

```

1  (function () {
2      var yaakovGreeter = {};
3      yaakovGreeter.name = "Yaakov";
4      var greeting = "Hello ";
5      yaakovGreeter.sayHello = function () {
6          console.log(greeting + yaakovGreeter.name);
7      }
8  }
9  )();
10

```

Developer Tools - http://localhost:3000/index.html

Elements Console >> 1

<top frame>

Uncaught ReferenceError: yaakovGreeter is not defined app.js:1

>

app.js — Lecture52

```

1 yaakovGreeter.sayHello();
2 johnGreeter.sayHi();
3
4 // Immediately Invoked Function Expression
5 // IIFE
6 // (function (name) {
7 //   console.log("Hello " + name);
8 // })("Coursera!");
9
10
11
12
13

```

Developer Tools - http://localhost:3000/index.html

Elements Console >> 1

<top frame>

Uncaught ReferenceError: yaakovGreeter is not defined app.js:1

>


```

1  (function (window) {
2      var yaakovGreeter = {};
3      yaakovGreeter.name = "Yaakov";
4      var greeting = "Hello ";
5      yaakovGreeter.sayHello = function () {
6          console.log(greeting + yaakovGreeter.name);
7      }
8
9      window.yaakovGreeter = yaakovGreeter;
10
11  })(window);
12

```

Elements Console >> 1

<top frame>

Uncaught ReferenceError: yaakovGreeter is not defined app.js:1

>

app.js — Lecture52

```

1 yaakovGreeter.sayHello();
2 johnGreeter.sayHi();
3
4 // Immediately Invoked Function Expression
5 // IIFE
6 // (function (name) {
7 //   console.log("Hello " + name);
8 // })("Coursera!");
9
10
11
12
13

```

Developer Tools - http://localhost:3000/index.html

Elements Console >> 1

<top frame>

Uncaught ReferenceError: yaakovGreeter is not defined app.js:1

>


```

1 (function (window) {
2   var yaakovGreeter = {};
3   yaakovGreeter.name = "Yaakov";
4   var greeting = "Hello ";
5   yaakovGreeter.sayHello = function () {
6     console.log(greeting + yaakovGreeter.name);
7   }
8
9   window.yaakovGreeter = yaakovGreeter;
10
11 })(window);
12

```

<top frame>

Hello Yaakov script1.js:6
 Hi John script2.js:5
 >

```

1  (function (window) {
2      var johnGreeter = {};
3      johnGreeter.name = "John";
4      var greeting = "Hi ";
5      johnGreeter.sayHi = function () {
6          console.log(greeting + johnGreeter.name);
7      }
8
9      window.johnGreeter = johnGreeter;
10
11  })(window);
12
13
14
15

```

Elements Console >>

<top frame>

Hello Yaakov script1.js:6
 Hi John script2.js:6
 >