

MORE ON FUNCTIONS

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AFTER THIS PRESENTATION

- You'll know how to assign a function to a variable
- You'll be able to pass a function to a function
- You'll be able to return a function from a function

WE WILL LOOK AT

Events	onload
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Functions	function
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return

TWO WAYS TO DECLARE A FUNCTION

```
function functionName() {
```

... code here ...

```
}
```

This function is defined when the web page is loaded.

```
var functionTwo = function() {
```

...code here...

```
}
```

```
var functionTwo = function thisFunc() {
```

...code here...

```
}
```

Here we give a function to a variable
The function is defined when the browser
reaches that point in the code

PASSING A FUNCTION TO A FUNCTION

You can pass a function to a function

```
<!doctype html>
<html>
  <head>
    <script>

function check(a, b){
  if (b!=0) return true;
  else return false;
}

function myDivide( fn, num, div ) {
  if (fn(num, div)) {
    alert("It's OK!");
    return num/div;
  } else {
    alert("Not OK!");
  }
}

result=myDivide(check, 44, 1);

    </script>
  </head>
</html>
```

pass a function to a function



RETURNING A FUNCTION FROM A FUNCTION

You can return a function from a function

```
<!doctype html>
<html>
  <head>
    <script>

      function counter() {
        var count = 0;

        return function() {
          count++;
          alert(count);
        }

      }

      var count = counter();
      count();
      count();
      count();
    </script>
  </head>
</html>
```

return a function