```
> const myExample = 5;
 > function multiplByTen(n) {
               return n * 10;
> con ole.log(multiplByTen(myExample));
     50
                                                                    Correction to the property of 
              <link rel="stylesheet" href="chrome://resources/css/text defaults md.css">
              <link rel="stylesheet" href="shared vars.css">
            <dom-module id="cr-hidden-style" assetpath="chrome://resources/">...</dom-module>
            <dom-module id="cr-icons" assetpath="chrome://resources/">...</dom-module>
            <dom-module id="cr-shared-style" assetpath="chrome://resources/</p>
            ▶<dom-module id="cr-input-style" assetpath "
                                                                                                            Why isn't my code doing
               <script type="module" src="./l;</pre>
            ▶ <dom-module id="cr-radio-buttor
> console.log(window.getComputedStyl. (body).gwhatckgroIcolortell it to do?!?
     rgb(255, 255, 255)
                                                                                                                                                                  (Hint: it is!)
> console.log(document.body.style.backgroundColor);
     rgb(255, 255, 255)
> body.style.backgroundColor = "#663399";
"#663399"
> console.log(body.style.backgroundColor);
     rgb(102, 51, 153)
```

```
What, and where, is the console?
    ---command--line interface in your browser that can help
       visualise JavaScript
                              to open DevTools
                                                         Console
                                                   Elements
console tab
rgb 255, 255, 255)
                                             2 Issues: 2
> con ole.log(document.body.style.backgroundColor);
  255, 255, 255)
        live interface to work with JavaScript, HTML and CSS
> con ole.log(body.style.backgroundColor);
rgb 102, 51, 153)
```

```
myExample = 5;
                                   What is 'logging'?

← und

     -yle creates as log in the console
    iframe id="backgroundImage" src(unknown)>...<
     - console.log() allows strings, variables or a combination
                                                        > console.log("hello world!");
          to be printed to the log
                                                         hello world!
                                                                                      VM1010:1
                                                       > console.error("custom error message");
> con ale. Tog(winconsole and errora (e) background-color"));
 rgb 255, 255, 255)
                                                                                        VM949:1
> con ole.log(document.body.style.backgroundColor);
rgb 255, 255, 255)
                                                       > console.warn("custom warning");
   console.warn()
                                                       Custom warning
                                                                                     VM1121:1
#6 3399
> con ole.log(body.style.backgroundColor);
 rgb 102, 51, 153)
```

```
myExample = 5;
< und
                           The console is live!

← und

    -vie interact with your document in its current state

    log current values of variables

                                                         > console.log(currentScore);
                                                                                  VM1254:1
        and functions (no quotes)
                                                         > console.log(currentScore);
> complete manipulate, define and call
                                                                                  VM451:1
variables and functions
                                                         > ++currentScore;
rgb 255, 255, 255)
                                                         < 3
                 to call a function
                                                         > console.log(currentScore);
                                                                                  VM520:1
> con ole.log(body.style.backgroundColor);
rgb 102, 51, 153)
```

```
Engaging with the elements!
> fun
 50
    dom-module id- chttps://daveyjh.github.io/ci-content/devtools.html
> con ole.log(window.getComputedStyle(body).getPropertyValue("background-color"));
 rgb 255, 255, 255)
> con ole.log(document.body.style.backgroundColor);
 rgb 255, 255, 255)
bod .style.backgroundColor = "#663399";
* '#6 3399'
> con ole.log(body.style.backgroundColor);
 rgb 102, 51, 153)
```

myExample = 5;

```
Engaging with the elements!

← und

    -yle-"blogd-celements to allow identification via hover
       right click and 'Reveal in Elements Panel'
        view inline element attributes from HTMLCollections
   255, 255, 255, 255 drop-down arrows
> con ole.log(document.body.style.backgroundColor);
rgb 255, 255, 255)
        changes made take immediate effect
#6 3399
> con ole.log(body.style.backgroundColor);
rgb 102, 51, 153)
```

```
Lagging listeners!
> fun
 50

← und

      https://daveyjh.github.io/ci-content/devtools-listeners.html
> con ole.log(window.getComputedStyle(body).getPropertyValue("background-color"));
 rgb 255, 255, 255)
> con ole.log(document.body.style.backgroundColor);
 rgb 255, 255, 255)
> bod .style.backgroundColor = "#663399";
* '#6 3399'
> con ole.log(body.style.backgroundColor);
 rgb 102, 51, 153)
```

myExample = 5;

hello world!

< und

```
myExample = 5:
< und
                               Lagging listeners!
> fun

← und

> bod = document.body;
                                                     html body main div.flex.box-container div.box
     - use Event Listeners tab
                                                      Styles Computed Layout
                                                                                DOM Breakpoints >>
                                                                       Event Listeners
                                                      C ✓ Ancestors All
                                                                    Y Framework listeners
               what you need, don't worry about the rest

    listeners are separated into listener types

> con ole.log(window.getComputedStyle(body).getPropertyValue("background-color"));
rgb 255, 255, 255)
         tab does not auto-update, de-select and re-select
rsb 255, 255, 2elements to get an up-to-date list
> bod .style.backgroundColor = "#663399";
         be aware of lag, issues may occur at a much later time
 rgb 102, 51, 153)
```

```
hello world!
      myExample = 5;

♦ und

                                                    Console Errors!
> fun
> console.log(multiplBvTen(mvExample));
> bod
     script type="module https://daveyjh.github.io/ci-content/errors.html
> con ole.log(window.getComputedStyle(body).getPropertyValue("background-color"));
 rgb 255, 255, 255)

 ♦ und

> con ole.log(document.body.style.backgroundColor);
 rgb 255, 255, 255)
> bod .style.backgroundColor = "#663399";
* '#6 3399'
> con ole.log(body.style.backgroundColor);
 rgb 102, 51, 153)
```

```
mvExample = 5;
< und
                           Console Errors!
> fun

← und

> bod = document.body;
   -y-errors show the line that has raised the error
           the the error line is nested or called within a
       function or similar, a logical flow is shown
the error may be in the logic leading up to the line that
       raises the error
rgb 255, 255, 255)
  remember to check the scope of your variables etc.
> con ole.log(body.style.backgroundColor);
rgb 102, 51, 153)
```

```
DevTools Debug!
 50

← und

          https://davevih.github.io/ci-content/devtools-debug.html
> con ole.log(window.getComputedStyle(body).getPropertyValue("background-color"));
 rgb 255, 255, 255)
> con ole.log(document.body.style.backgroundColor);
 rgb 255, 255, 255)
> bod .style.backgroundColor = "#663399";
* '#6 3399'
> con ole.log(body.style.backgroundColor);
 rgb 102, 51, 153)
```

myExample = 5;

hello world!

← und

> fun

```
myExample = 5;
                             DevTools Debug!
    -yle add breakpoints to your script
       step through your code one line at a time keeping track
> com later with add a multiple breakpoints if you are unsure where your bug
       is happening
> con ole.log(document.body.style.backgroundColor);
rgb 255, 255, 255)
  untick breakpoints to temporarily prevent them pausing
> con ole.log(bodyourgroscript
 rgb 102, 51, 153)
```

```
Crafty Coverage!
 50

← und

     cdom-module id="cr-share h-style" assetpath / h/md//resources/"-1/dom-module thub.io/ci-content/quiz.html
> con ole.log(window.getComputedStyle(body).getPropertyValue("background-color"));
 rgb 255, 255, 255)
> con ole.log(document.body.style.backgroundColor);
 rgb 255, 255, 255)
> bod .style.backgroundColor = "#663399";
* '#6 3399'
> con ole.log(body.style.backgroundColor);
 rgb 102, 51, 153)
```

myExample = 5;

hello world!

< und

> fun

```
mvExample = 5;
                               Crafty Coverage!

← und

> bod = document.body;
    -yle enable with commands - Ctrl ,
                                                  Shift + P then type
        refresh page and run through all possible inputs and
        S=lrtulattel: OneS="chrome://resources/">...</dom-module>
> com on the same time identifies un-tested
        lines
> con ole.log(document.body.style.backgroundColor);
rgb 255, 255, 255)
   helps identify unnecessary code
* '#6 3399'
> con ole.log(body.style.backgroundColor);
 rgb 102, 51, 153)
```

```
> const myExample = 5;
> function multiplByTen(n) {
     return n * 10;
> con ole.log(multiplByTen(myExample));
 50
                     cor: rgb(12.50) her with DevTools
    <link rel="stylesheet" href="chrome://resources/css/text defaults md.css">
    <link rel="stylesheet" href="shared vars.css">
    <dom-module id="cr-hidden-style" assetpath="chrome://resources/">...</dom-module>
    <dom-module id="cr-icons" assetpath="chrome://resources/">...</dom-module>
    <dom-module id="cr-shared-style" assetpath="chrome://resources/">...
    ▶ <dom-module id="cr-input-style" assetpath="charge
                                                     this has helped!
    <script type="module" src="./la</pre>
    ▶ <dom-module id="cr-radio-buttor
> console.log(window.getComputedStyle (body).getPTimeground to); start enjoying
 rgb(255, 255, 255)
                                                        JavaScript!
> console.log(document.body.style.backgroundColor);
 rgb(255, 255, 255)
> body.style.backgroundColor = "#663399";
"#663399"
> console.log(body.style.backgroundColor);
 rgb(102, 51, 153)
```