General Exercises:

1. Assess your knowledge level on the following languages (1 = none; 5 = expert):

o Vanilla JS - 4

o jQuery - 4

o HTML/HTML5 - 4.5

o CSS/CSS3 - 4.5

o Ajax - 3

o AngularJS - 4

o Bootstrap - 4.5

o Node JS - 2

2. What is the width of a container with 100px of width and 5px of padding?

* If the container has
  + **box-sizing: content-box**
    - The width of the container will be 110px
  + **box-sizing: border-box**
    - The width of the container will be 100px

3. How to apply a click event to all paragraphs except for the last?

$('p:not(:last-child)').click(function(e) {

console.log(e)

});

4. Why does the alert show "Jack" first and then undefined?

function identity() {

var name = 'Jack';

alert(name);

return

name

};

var who = identity();

alert(who)

* The first alert shows “Jack” since the ***name*** variable and alert are in the same lexical scope, as a result the ***name*** variable is accessible to the first alert.
* The second alert shows undefined, because the ***name*** variable is placed on the line after the return statement and there is no grouping operator used, hence the function returns an undefined value;

5. Are display: none; and visibility: hidden; are different? Explain.

* Yes.
  + **display: none:** The tag which has this css property, will not be shown on the web page. This means that this tag will not occupy any width or height on the web page.
  + **visibility: hidden**: The tag which has this css property will, not be visible to the user, but will occupy the width and height on the web page