

**Started on** Saturday, 13 March 2021, 2:19 PM**State** Finished**Completed on** Friday, 19 March 2021, 10:05 AM**Time taken** 5 days 19 hours**Grade** 5.00 out of 5.00 (100%)**Question 1**

Correct

Mark 1.00 out of 1.00

Consider the following jQuery code applied to an HTML page:

```
$(document).ready( function() {  
    $("p").on({  
        mouseenter: function() {  
            $(this).css("background-color", "red"); },  
        mouseleave: function() {  
            $(this).css("background-color", "lightgreen"); },  
        click: function() {  
            $(this).css("background-color", "yellow"); }  
    });  
});
```

If the user clicks on a paragraph element and then moves the mouse cursor away, what will be the paragraph's background colour?

Select one:

- ☐ Yellow
- ☐ Default background colour
- ☒ Light green ✓
- ☐ Red

The correct answer is: Light green

Question 2

Correct

Mark 1.00 out of 1.00

Which of the following XML fragments is well-formed?

Select one:

- ☐ <car registration="ABC123"><owner>John Smith</owner><postcode="G1 1XY"></car>
- ☐ None of these
- ☐ <car registration=ABC123><owner>John Smith </owner></car>
- ☒ <car registration="ABC123"><owner>John Smith </owner><address postcode="G1 1XY"/></car> ✓

The correct answer is: <car registration="ABC123"><owner>John Smith </owner><address postcode="G1 1XY"/></car>

Question 3

Correct

Mark 1.00 out of 1.00

Which one of the following examples contains correct JSON syntax?

Select one:

- ☐ {"number" : {"20"}}
- ☒ {"players" : [{"firstName" : "David"}, {"firstName" : "John"}]} ✓
- ☐ All of these
- ☐ {"student" : {"number", "2401234"}}

The correct answer is: {"players" : [{"firstName" : "David"}, {"firstName" : "John"}]}



Question 4

Correct

Mark 1.00 out of 1.00

AJAX is a useful combination of technologies, which enables a web app to (select the statement that best applies):

Select one:

- ☐ make requests by reloading the page, to receive and work with data from the server, using only XML data
- ☒ make requests without reloading the page, to receive and work with data from the server, using XML, JSON and plain text data ✓
- ☐ make requests without reloading the page, to receive and work with data from the server, using only XML data
- ☐ make requests by reloading the page, to receive and work with data from the server, using XML, JSON and plain text data

The correct answer is: make requests without reloading the page, to receive and work with data from the server, using XML, JSON and plain text data

Question 5

Correct

Mark 1.00 out of 1.00

To determine when an XMLHttpRequest object has received a response successfully from the server, which of the following tests should be used?

Select one:

- ☐ if (this.readyState == 0 && this.status == 200)
- ☐ if (this.readyState == 0)
- ☒ if (this.readyState == 4 && this.status == 200) ✓
- ☐ if (this.readyState == 4 && this.status == 404)

The correct answer is: if (this.readyState == 4 && this.status == 200)