Instructions

Please read the questions carefully and answer them exactly as described! That means:Target the elements that are specified and do not add extra ids, classes to your test html inorder to retrieve those elements from the DOM. i.e. if a question asks you to target the firstimage on a page, do not test your script on an element with id 'img1' and usedocument.getElementById('img1')– my test html will not have an element with thatID, so your script will fail!•

Make sure to name your variables, functions etc. exactly as requested in the question.

JavaScript is a case-sensitive language and myFunction is not the same as myfunction!

DO NOT use window.onload in your scripts. If you need to access elements, add the'defer' attribute to your script file (i.e. <script defer src="....js"></script>DO NOT include any extraneous code in your scripts – each file should only contain statements pertinent to the question. Errors caused by extraneous code may result in lost marks.

Finally, please note: for any question that requires you to create a function –do not call the function unless explicitly asked to! The exam is worth a total of 50 marks.1

Question 1 - from Lessons 1 and 2 (4 marks)

Write all the JavaScript code (do not use jQuery) necessary to do the following:•
Resize the width of the first image on the page to 100•
Create an array of three strings; 'window', 'document', and 'console'. Store this array in a global variable called questionOne 2

Question 2 - from Lesson 2 (4 marks)

Write all the JavaScript code (do not use jQuery) necessary to do the following:•
Change the text color of all<h1>elements on the page to red,unless they contain the class"special". To check whether an element contains the class "special", you may use either the .className property, or the .classList array 3

Question 3 - from Lessons 2 and 3 (8 marks)

Write all the JavaScript code (do not use jQuery) necessary to do the following:•
Loop through all of a page's links. If a link'shref attribute contains the word 'bcit', remove the default underline from the link.•Write a function called questionThree that accepts a single parameter (this parameter can be named whatever you like, but the value passed in will be a number). Inside the function,check if the value

of the parameter is greater than or equal to 60. If it is greater than or equal to 60,return true (i.e. return the keyword 'true'),else return false 4

Question 4 - from Lesson 3 (8 marks)Write all the JavaScript code (you may use jQuery) necessary to do the following:•
For each paragraph on the page, assign an onclick event handler that adds class 'clicked' to only the element that was clicked (i.e. clicking one paragraph should not cause the class to be added to all paragraphs)•
For each paragraph on the page, assign an ondblclick event handler that changes the font style of the element that was double-clicked to italic (for this, use style.fontStyle = 'italic').
As with the first part above, ensure that double-clicking one paragraph does not cause the style to be added to all paragraphs 5

Question 5 - from Lesson 4   (10 marks)
Write all the code necessary (do not use jQuery) to do the following:
 Part 1:•
Create a function called questionFive that sets a timeout. This timeout (i.e. do not use setInterval) should set the inner html of the element with id 'target' to the string "Complete!"
after a delay of 5 seconds Note: do not call the questionFive function in your submission script!
Part 2:•
Fetch data from https://jsonplaceholder.typicode.com/users using the example code below fetch('https://jsonplaceholder.typicode.com/users').then(res => res.json()).then(res => {window.users = res;useData();})•
Create a function called useData with no parameters•
Inside your useData function, you will be able to access the JSON array of users through thewindow.users property. Each user has a 'username' property – get the username of the 9thuser and store it in the inner html of the element with id 'user'Note: do not hard code the username into your element, you must use JavaScript to read the username property i.e. someVariable.innerHTML = "..." is not allowed 6

Question 6 - from Lesson 5(8 marks)
Show all the JavaScript code (do not use jQuery) necessary to do the following:•

Using DOM scripting (i.e. document.createElement(), .appendChild()) create the following elements (in order):1.An H2 element, with text node inside it containing the text 'DOM Scripting' 2. A div , with style.width and style.height both set to200px, and red background 3. An image,inside the div(from step 2) with src 'a.jpg' and ID 'img3'Append all of the above elements inside of a div with id 'questionSix' -this div does not need to be created using DOM scripting. For testing, you can hard-code the questionSix div into your HTML7

Question 7 - from Lesson 6 (8 marks)
Show all the JavaScript code (do not use jQuery) necessary to do the following:Write a function called questionSeven that returns a Book literal object (do not use an ES6 class). This Book object must have fields for:•title- data type 'string' (e.g. "The Art of the Deal")•
author- data type 'string' (e.g. "Donald Trump")•
yearPublished- data type 'number' (e.g. 1987)•
a function/method called readBook, which returns a string (e.g. "I know words ... I have the best words ").
Note: do not call the function! 8