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IT Web Department - development sector

System developer test

Please answer the questions below by circling the symbol in front of the correct answer(s), or writing your answer in the provided areas.

What two things do you need to create webpages & view them?

* A text editor & a compiler
* A text editor & a web browser
* A compiler & a web browser
* None of the above

## Which of the following tags go inside the head section of an HTML document?

* <title>
* <script>
* <link>
* All of the above

## Where is JavaScript processed?

## Normally on the browser but it can be processed on the server side too

## What would happen if a user clicks <p> in both cases?

**Case1:**

<p class="a">This is Statement 1.</p>

        <script>

            $(".a").**bind**("click",function(){

                $(this).css("color","red");

            });

        </script>

        <p class="a">This is Statement 2.</p>

Statement 1 will get red color, but the second statement will be not affected since the binding happens before statement 2 and it will not work on element after the binding.

**Case2:**

<p class="a">This is Statement 1.</p>

        <script>

           $(document).**on**("click",".a",function(){

                $(this).css("color","red");

            });

</script>

        <p class="a">This is Statement 2.</p>

In this case both statements will get the red color since the on event is attached to the document and not to a specific DOM element like p-tag in the example.

## What is the difference between JSON and AJAX? What do these abbreviations stand for?

## JSON is easier when it comes to structure the data. The data is stored in an array and have larger browser support.

JSON stands for JavaScript Object Notation

AJAX stands for Asynchronous JavaScript and XML

## What are selectors in CSS? Give an example?

Selectors are patterns in elements that can be use by CSS to apply styling.

There are class selectors: <p class=”**myStyle**”>My text</p>

There are pseudo selectors: a:hover (it will apply styling when the user hover over a a-tag)

There are attribute selectors: [title~=name] (it will apply styling to those elements that has a title attribute that contains the word “name”).

## What is Bootstrap Grid System?

## Booststrap is a “framework” intended to make easer to work with responsive design. It devides the canvas in 12 columns or more and deliver css selectors to combine these columns with rows to create a responsive design. It also contains classes for styling of buttons, fonts, cards and more.

What is dependency injection?

Is when a object depend on other object to do a task.

## Write a function in any language you know that takes a string input and reverses it. Do not use operators such as .reverse().

## function reverse(string) {

## var reversedString = “”

for(let index = string.length – 1; index >= 0; index--) {

reversedString += string[index];

## }

console.log(reversedString);

}

How many rows will you get?

**Tablenames Records**

Products 77

Shippers 3

SELECT \* FROM Products, Shippers

231 Rows (77 \* 3)