Akrom S

Exercises:

1) First reason, it helps browser to speed up the web page, because browser will add the semicolon if it’s missing and it slows down the engine. Second reason, it is better to maintain, if user omits the semicolon in the last statement, and later on another programmer without knowing, adds another statement, and it will lead to a syntax error.

3) For this it needs to be server side, because the reservation needs to transmitted and saved on the server side. And Customer information needs to be processed securely behind the scenes on the server.

4) <input type="reset" value="Start over">

5) <script>

//This function displays a message.

function displayMessage (name,month,day,year) {

var birthdayWish; // declaring a variable birthdayWish

birthdayWish = document.getElementById("msg");

birthdayWish.innerHTML = name + " was born on " +

month + " " + day + ", " + year + "." + " Happy birthday!";

} // end displayMessage

</script>

<body>

<input type="button" value="Click me"

onclick =

"displayMessage('Taylor Swift', 'December', '13', '1989');">

<br>

<p id="msg"></p>

</body>

6) if same-named variable used in different functions and changing the variable’s value in one function affects the variable in the other function. Using var, JavaScript engine creates separate local variables that allows the user to use same-named variables in different functions, without affecting other functions.

Additional Exercise:

<http://teach.park.edu/~asobirkhonov/cs240/hw/hw7/sentencebuilder.html>

<http://teach.park.edu/~asobirkhonov/cs240/hw/hw7/favorites.html>

Project 1

<!DOCTYPE html>

<html lang="en">

<head>

<link rel="icon" href="../../images/icon.png">

<meta charset="utf-8">

<meta name="author" content="Akrom S">

<title>Sentence Builder</title>

<script>

//This function add words.

function addWord(form) {

var word; // creating a variable word

word = document.getElementById("result");

word.innerHTML += form.elements["text"].value + " ";

form.reset();

form.elements["text"].focus();

} // end addWord

//This function removes existing words and starts over.

function startOver(form) {

var over; // creating a variable over

over = document.getElementById("result");

over.innerHTML = "";

form.reset();

form.elements["text"].focus();

} // end startOver

</script>

<style>

@font-face {

font-family: "Homegirlbouncy";

src: url("../../fonts/Homegirlbouncy.woff") format("woff"),

url("../../fonts/Homegirlbouncy.woff2") format("woff2");

}

p {font-family: Homegirlbouncy, serif; color: orange;}

input[type=text]:focus {

outline: none;

border-color: blue;

box-shadow: 0 0 10px blue;

}

</style>

</head>

<body>

<noscript>

<p>

This web page uses JavaScript. For proper results,

you must use a web browser with JavaScript enabled.

</p>

</noscript>

<h1>Sentence Builder</h1>

<form>

Starting word for your sentence:

<input type="text" id="text" size="20"

autofocus="autofocus" onfocus=""><br><br>

<input type="button" id="add-word" value="Add Word"

onclick="addWord(this.form);">

<input type="button" id="start-over" value="Start Over"

onclick="startOver(this.form);">

<input type="text" disabled style="background: transparent; border: none;">

</form>

<p id="result"></p>

</body>

</html>

Project 2

<!DOCTYPE html>

<html lang="en">

<head>

<link rel="icon" href="../../images/icon.png">

<meta charset="utf-8">

<meta name="author" content="Akrom S">

<title>Favorite TV Shows</title>

</head>

<body>

<h1>My Favorite TV Shows</h1>

<img src="../../images/housemd2.jpg" width="150" height="209"

alt="House M.D poster / Grey's Anatomy poster"

onmouseover = "this.src='../../images/greysa.jpg';"

onmouseout = "this.src='../../images/housemd2.jpg';">

<ol>

<li>

<a href="https://en.wikipedia.org/wiki/House\_(TV\_series)"

target="\_blank">House M.D</a>

</li>

<li>

<a href="https://en.wikipedia.org/wiki/Grey%27s\_Anatomy"

target="\_blank">Grey's Anatomy</a>

</li>

<li>

<a href="https://en.wikipedia.org/wiki/The\_Mandalorian"

target="\_blank">The Mandalorian</a>

</li>

<li>

<a href="https://en.wikipedia.org/wiki/The\_Big\_Bang\_Theory"

target="\_blank">The Big Bang Theory</a>

</li>

</ol>

</body>

</html>