<!DOCTYPE html>

<html>

<!-- Task 1: Insert script -->

<script>

document.write(" Hello javaScript ")

</script>

<head>

<title>JavaScript Exercises</title>

<!-- Insert your JavaScript file -->

<script type="text/javaScript" src="script.js"></script>

</head>

<body>

<h3>Basic JavaScript Exercises</h3>

<!-- Insert script -->

<script>

document.write('sum = ', sum+ " ... ");

var email = prompt("Enter Your Email: " );

var e = isValidEmail(email);

document.write(' \nYour Email is:', e + " ... ");

var read= getReadingStatus(1);

document.write(' Your readingststus is: ', read + " ... ");

let fill = findByName(cart, "N")

let fill = findByName(cart, "s")

for(var i=0; i<fill.length;i++){

document.write(" "+fill[i].name+","+ " ... ")

}

let cos = calculateTotalCost(cart);

document.write( ' TotalCost: ',cos);

</script>

</body>

</html>

.......................................................

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/\*\*\* Add JavaScript code here \*\*\*/

/\* Task 1 \*/

console.log(" Hello javaScript ");

/\* Task 2 \*/

function sumOfArray(numbers\_array) {

var sum = 0;

numbers\_array.forEach(arr =>{

sum = sum + arr

} )

return sum

}

// Executing the function to check implementation

let sum = sumOfArray([12, 32, 1, 2])

console.log('sum', sum)

/\* Task 3 \*/

function isValidEmail(email) {

// var checkEmail = /^\w+([\.-]?\w+)\*@\w+([\.-]?\w+)\*(\.\w{2,3})+$/;

// if(email.match(checkEmail)){

// console.log(" Your email is valid " );

// return true;

// }else{

// console.log(" Your email is not valid " );

// return false;

// }

return /^\w+([\.-]?\w+)\*@\w+([\.-]?\w+)\*(\.\w{2,3})+$/.test(email)

}

let val1= isValidEmail('test')

let val2= isValidEmail('test@test.com')

console.log("val1 ",val1)

console.log("val2 ",val2)

/\* Task 4 \*/

//paste the library array here first

const library = [

{

author: 'Bill Gates',

title: 'The Road Ahead',

readingStatus: true

},

{

author: 'Steve Jobs',

title: 'Walter Isaacson',

readingStatus: true

},

{

author: 'Suzanne Collins',

title: 'Mockingjay: The Final Book of The Hunger Games',

readingStatus: false

}];

const getReadingStatus = (index) => {

return library[index].readingStatus

}

console.log(getReadingStatus(0))

/\* Task 5 \*/

//paste the cart array here first

const cart = [

{

name: 'Shoes',

price: 560,

quantity: 4

},

{

name: 'Regular Tee',

price: 455.50,

quantity: 6

},

{

name: 'Socks',

price: 65.99,

quantity: 2

}];

/\* Task 5a \*/

const addItemToCart = (cart, item) => {

cart.push(item)

return cart

}

console.log(addItemToCart(cart, {name: 'Notebook', price: 4, quantity: 20}))

/\* Task 5b \*/

const sortCart = (cart, property\_name) => {

if(property\_name == "name"){ cart.sort( function(a,b) {

if(a.name.toLowerCase() < b.name.toLowerCase())

return -1

if(a.name.toLowerCase() > b.name.toLowerCase())

return 1

})

}

else if (property\_name == "price"){ cart.sort( function(a,b) {

if(a.price< b.price)

return -1

if(a.price > b.price)

return 1

})

}

else if (property\_name == "quantity"){ cart.sort( function(a,b) {

if(a.quantity< b.quantity)

return -1

if(a.quantity > b.quantity)

return 1

})

}

return cart

}

let s1 = sortCart(cart, 'name')

console.log( 'Sorting', s1)

//let s1 = sortCart(cart, 'price')

//console.log( 'Sorting', s1)

/\* Task 5c \*/

const findByName = (cart, keyword) => {

let key = keyword.toLowerCase();

let fin = cart.filter(function(i){

if(i.name.indexOf(keyword)>=0)

if(i.name.toLowerCase().indexOf(keyword)>=0)

return true;

})

return fin

}

let fil = findByName(cart, "N")

let fil = findByName(cart, "s")

for(var i=0; i<fil.length;i++){

console.log('FindByName:',fil)

}

/\* Task 5d \*/

const calculateTotalCost = (cart) => {

let totalCost=0

for (var i = 0; i<cart.length; i++) {

totalCost = totalCost + (cart[i].price \* cart[i].quantity)

}

return totalCost

}

let cost = calculateTotalCost(cart)

console.log('cost:', cost)

///////////

/\* !Caution!

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Don't remove this line of code, this is required for autograding \*/

module.exports = { sumOfArray, isValidEmail, getReadingStatus, addItemToCart, sortCart, findByName, calculateTotalCost }

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......................Classwork5................................

<!DOCTYPE html>

<html>

<head>

<title>DOM Manipulation Exercises</title>

</head>

<body>

<h2 id="heading">DOM Manipulation Exercises</h2>

<h4>Task 2 a</h4>

<!-- Add button with id 'btn2a' -->

<button id="btn2a">Add text for 2a</button>

<div id="task2a"></div>

<h4>Task 2 b</h4>

<!-- Add two buttons with ids 'jsRed' and 'jsGreen'-->

<button id="jsRed" onClick="changeBGColor(event)">RED</button>

<button id="jsGreen" onClick="changeBGColor(event)">Green</button>

<h4>Task 2 c</h4>

<!-- Add a button with id 'redirectBtn' -->

<button id="redirectBtn" onClick="redirectToGoogle(event)">Google</button>

<!-- \*\*\*\*\* -->

<h3>With jQuery</h3>

<h4>Task 4 a</h4>

<!-- Add button with id 'btn4a' -->

<button id="btn4a">Add Text for task 4a</button>

<div id="task4a"></div>

<div id="task4a"></div>

<h4>Task 4 b</h4>

<!-- Add two buttons with ids 'jqRed' and 'jqGreen'-->

<button id="jqRed" onClick="jq\_changeBGColor(event)">RED</button>

<button id="jqGreen" onClick="jq\_changeBGColor(event)">Green</button>

<h4>Task 4 c</h4>

<!-- Add two input elements with type number and ids 'num1' and 'num2' -->

<input type="number" id="num1"/>

<input type="number" id="num2"/>

<!-- Add a button with id 'add' -->

<button id="add">ADD</button>

<!-- Add a paragraph with 'The sum is' text and a span in it with id 'sum' -->

<p>The sum is <span id="sum"></span></p>

<!-- Insert your JavaScript files -->

<script src="lib/jquery-3.5.1.min.js"></script>

<script src="task1n2.js"></script>

<script src="task4.js"></script>

</body>

</html>

...........................................

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/\* Task 1 \*/

let headingText = document.getElementById('heading').innerHTML

console.log(headingText)

/\* Task 2 using plain JavaScript \*/

/\* Task 2a \*/

let button2a = document.getElementById('btn2a')

button2a.addEventListener('click', function(event){

let task2 = document.getElementById('task2a')

let para = document.createElement('p')

para.innerHTML = 'Hello World'

task2.appendChild(para)

})

/\* Task 2b \*/

function changeBGColor(event){

//console.log(event)

let body = document.getElementsByTagName('body')[0]

let color = event.target.innerHTML.toLowerCase()

body.style.backgroundColor = color

}

/\* Task 2c \*/

function redirectToGoogle(event){

window.location.assign('http://www.google.com')

}

///////////

/\* !Caution!

------------

Don't remove this line of code, this is required for autograding \*/

module.exports = { changeBGColor, redirectToGoogle}

.........................................................

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/// IMPORTANT for autograding

/\* Uncomment the following line of code before submitting code for autograding.

But keep it commented out when running in the browser. \*/

//const $ = require('jquery')

const $ = require('jquery')

/\* ---- \*/

/\* Task 4a \*/

$('#btn4a').click(function(event){

let para = $('<p>').text('Hello World')

$('#task4a').append(para)

})

/\* Task 4b \*/

function jq\_changeBGColor(event){

let color = event.target.innerHTML.toLowerCase()

$('body').css('background-color', color)

}

/\* Task 4c \*/

$('#add').click(function(event){

let num1 = $('#num1').val()

let num2 = $('#num2').val()

let sum = Number(num1) + Number(num2)

$('#sum').text(sum)

})

///////////

/\* !Caution!

------------

Don't remove this line of code, this is required for autograding \*/

module.exports = { jq\_changeBGColor}

.....................................................

.................class6................

<!DOCTYPE html>

<html>

<head>

<title>Reading List</title>

<link rel="stylesheet" href="style.css">

</head>

<body>

<h3>2019 - 2020 Reading List</h3>

<div>

<p id="empty">No books added yet</p>

<ul id="list">

</ul>

</div>

<button id="show-add">Add a book</button>

<div id="addForm" style="display:none">

<input id="title" type="text" placeholder="Book Title">

<input id="author" type="text" placeholder="Book Author">

<button id="add">ADD</button>

</div>

<script src="jquery.min.js"></script>

<script src="script.js"></script>

</body>

</html>

...................................................

........................................................

/// IMPORTANT for autograding

/\* Uncomment the following line of code before submitting code for autograding.

But keep it commented out when running in the browser. \*/

const $ = require('jquery')

/\* ---- \*/

/\*\* Hints:

\* Store the books in localStorage using the key 'books'

\* Before saving books, use JSON.stringify(books) to stringify the array getting stored

--> window.localStorage.setItem('books', JSON.stringify(books))

\* On retrieving books from storage, use JSON.parse(...) to convert the string to array of book objects

--> let books = JSON.parse(window.localStorage.getItem('books'))

\*\*/

/\* ---- \*/

let books = [] // array containing book objects {title: '', author: ''}

/\* Task 1: Check localStorage for books \*/

if(window.localStorage.getItem('books')){

books = JSON.parse(window.localStorage.getItem('books'))

}

console.log("Books: ",books);

/\* Task 2: Check if 'books' is empty and show/hide relevant message \*/

if(books.length == 0){

$('#empty').show()

}else{

$('#empty').hide()

}

/\* Task 3: If books is not empty, populate view with book details in #list \*/

console.log("Book List")

if(books.length != 0){

for(let i = 0; i<books.length;i++){

let item = $('<li>').text(books[i].title + '-' + books[i].authoruthor)

console.log(i+1+')',books[i].title +'-'+books[i].author)

$("#list").append(item)

}

}

/\* Task 4: Clicking the 'Add a book' button should reveal the form \*/

$("#show-add").click(function(){

$("#addform").show();

})

/\* Task 5: On ADD button click,

ensure the input fields contain values,

then add the book to HTML view

also save updated books array to localStorage

\*/

$('#add').click(function(){

let title = $('#title').val()

let author = $('#author').val()

//check if input fields have values

if(!title && !author){

window.alert("Please Fill 'Book Title' field!");

}

else if(!title){

window.alert("Please Fill 'Book Author' field!");

}

else{

//add to list in view

let item = $('<li>').text(title + '-' + author)

$('#list').append(item);

books.push({title: title, author: author})

//add to storage

window.localStorage.setItem('books',JSON.stringify(books))

$("#title").val('')

$("#author").val('')

window.location.reload();

}

})

//if($('#title').val())

/\*\* Refreshing the page, should show all the stored books \*\*/