Final Answer Key 15sp

var count = 0;

var size = 3;

window.onload = function() {

createBoxes(3);

document.getElementById("again").onclick = clear;

document.getElementById("sizeButton").onclick = create;

}

function create() {

createBoxes(document.getElementById("size").value);

size = document.getElementById("size").value;

}

function createBoxes(size) {

document.getElementById("game").innerHTML = "";

count = 0;

for(var i = 0; i < size; i++) {

var tr = document.createElement("tr");

for(var j = 0; j < size; j++) {

var td = document.createElement("td");

td.onclick = play;

tr.appendChild(td);

}

document.getElementById("game").appendChild(tr);

}

document.getElementById("game").style.color = "black";

}

function clear() {

var boxes = document.querySelectorAll("td");

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

boxes[i].innerHTML = "";

}

document.getElementById("game").style.color = "black";

}

function play() {

if (count % 2 == 0) {

this.innerHTML = "X";

} else {

this.innerHTML = "O";

}

count++;

if(count == size \* size) {

document.getElementById("game").style.color = "red";

}

}

2.

<?php

$category = "";

if (isset($\_GET["category"])) {

$category = $\_GET["category"];

} else {

header("HTTP/1.1 400 missing parameter");

die("ERROR 400: missing mandatory parameter category");

}

$file = file("books.txt");

$json\_data = array(

"count" => count($file),

"books" => array()

);

foreach ($file as $line) {

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list($title, $author, $book\_category, $year, $price) = explode("|", trim($line));

if ($book\_category == $category) {

$json\_data["books"][] = array(

"category" => $category,

"year" => $year,

"price" => $price,

"title" => $title,

"author" => $author

);

}

}

header("Content-type: application/json");

print json\_encode($json\_data);

?>

3.

window.onload = function() {

makeRequest("begin");

};

function makeRequest(nodeid) {

var request = new XMLHttpRequest();

request.onload = processData;

request.open("GET", "adventure.php?nodeid=" + nodeid, true);

request.send();

}

function processData() {

var question = this.responseXML.querySelector("question");

if(question) {

document.getElementById("questionparagraph").innerHTML = question.textContent;

var answers = this.responseXML.querySelectorAll("answer");

document.getElementById("answer").innerHTML = "";

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

var button = document.createElement("button");

button.innerHTML = answers[i].textContent;

button.onclick = go;

console.log(button);

document.getElementById("answer").appendChild(button);

}

} else {

document.getElementById("questionparagraph").innerHTML =

this.responseXML.querySelector("died").textContent;

document.getElementById("answer").innerHTML = "";

}

}

function go() {

makeRequest(this.innerHTML);

}

4.

a) /([0-9]+m [0-9]+cm)|([0-9]+ft [0-9]+in)/

b) /[a-zA-Z0-9.\-][+@([a-zA-Z]+\.)+[a-zA-Z]{2,4}](mailto:+@([a-zA-Z]+\\.)+%5ba-zA-Z%5d%7b2,4%7d)/

c) /[0-9]?[0-9]\/[0-9]?[0-9]\/[0-9][0-9]([0-9][0-9])?/

5.

SELECT DISTINCT c.name

FROM cities c

JOIN cities c2 ON c.name = c2.name

JOIN languages l1 ON l1.country\_code = c1.code

JOIN languages l2 ON l2.country\_code = c2.code

WHERE c.population > 1000000 AND c2.population > 1000000 AND

l1.official = 'T' AND l2.official = 'T' AND

l1.language = l2.language AND c.code <> c2.code

ORDER BY c.name