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}/

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