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1. Referat Laboratorija NIS

# MATRIKA Z GUMBI

# Java Script

Pre-alpha release

## Cilj

Ustvariti matriko 10x10 z uporabo java scripta. V celici matrike morajo biti gumbi, ki ob kliku inkrementirejo za ena njihovo vrednost in menjajo barvo ozadja.

## Analiza

Tabelo ustvari javaskript znotraj div-a z id-ijem tabela. Tabelo sestavjo vrsice in kolone, ki jih postavi z vgnezdnjeno zanko. Zdelo se mi je bol enostavno uporabiti direktno celice tabele namesto gumbov. Ko se v vgnezdnjeni zanki ustvari celica td mu podam začetna vrednost oz. text 0 in attributa za id in href. ID bo služil za pridobit točno celico tabele po negovi ustvaritvi, ter href bo služil za ciklično setiranje barve ozadja. Barve so hranjene v matriki z imenom color.

## Coda JS

var totalRows = 10;

var totalColumn = 10;

var id = 0;

var color = ["black","navy","blue","#400080","#800080","#800000","#804000","#608000","#008000","#008060","#006080","#2a2a2a"]

var reset = 0;

function drawTable() {

// pridobi div kjer ustvari oz postavi tabelo

var div1 = document.getElementById('tabela');

// ustvari element <table>

var tbl = document.createElement("table");

// ustvari vrstice

for (var r = 0; r < totalRows; r++) {

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

// ustvari colone

for (var c = 0; c < totalColumn; c++) {

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

cell.innerHTML = "0";

cell.setAttribute("id", id);

cell.setAttribute("href", "0");

cell.onclick = function(event) {

var count = this.getAttribute("href");

var stevec = this.innerHTML;

stevec++;

this.innerHTML = stevec;

if(reset==1){

count=0;

reset=0;

}

barva(this.id,count);

if (count==11)

count=-1;

count++;

this.setAttribute("href", count);

};

id++;

row.appendChild(cell);

}

tbl.appendChild(row); // postavi vrstico v tabelo

}

div1.appendChild(tbl); // postavi celotno ustvarjen element <table> v <div1>

}

window.onload=drawTable; // izve funkcijo, ko je stran popolnoma naložena

function barva(who,num){

//var bg = document.getElementById(who);

//fix(color[num]);

bg(num,who);

}

function bg(num, idbg){

var bgid = document.getElementById(idbg);

bgid.style.background = color[num];

bgid.onmouseover = function(){

bgid.className = 'hovered';

bgid.style.background = "#9C9898";

};

bgid.onmouseout = function(){

bgid.className = 'unhovered';

bgid.style.background = color[num];

};

}

## Coda HTML

<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<title>TABELA GUMBI</title>

<link rel="stylesheet" type="text/css" href="style.css">

<script type="text/javascript" src="scripts.js"></script>

</head>

<body>

<div id="tabela"></div>

</body>

</html>

## Coda CSS

html{

-webkit-touch-callout: none; /\* iOS Safari \*/

-webkit-user-select: none; /\* Safari \*/

-khtml-user-select: none; /\* Konqueror HTML \*/

-moz-user-select: none; /\* Firefox \*/

-ms-user-select: none; /\* Internet Explorer/Edge \*/

user-select: none; /\* Non-prefixed version, currently supported by Chrome and Opera \*/

background: url("https://bloomingpixelcreatives.com/wp-content/uploads/2017/10/bigstock-Blue-And-Pink-Smoke-Backgroun-199900807.jpg") no-repeat center center fixed;

background-color: black;

background-size: cover;

}

@-webkit-keyframes rainbow {

0%{background-position:0% 82%}

50%{background-position:100% 19%}

100%{background-position:0% 82%}

}

@keyframes rainbow {

0%{background-position:0% 82%}

50%{background-position:100% 19%}

100%{background-position:0% 82%}

}

#tabela {

border-radius: 10px;

margin: 0 auto;

margin-top: 100px;

padding:10px;

width: 500px;

background: linear-gradient(black,navy,blue,#400080,#800080,#800000,#804000,#608000,#008000,#008060,#006080,#2a2a2a);

background-size: 1800% 1800%;

-webkit-animation: rainbow 10s ease infinite;

animation: rainbow 18s ease infinite;

}

table {

font-family: arial, sans-serif;

font-size: 20px;

border-collapse:collapse;

border:1px solid #7f7f7f;

}

td {

color:white;

background:#2a2a2a;

border:1.5px solid black;

width:50px;height:50px;

text-align:center;

cursor:pointer;

}

table td:hover{

background:#9C9898;

color:black;

}

/\*///https://www.glasshalo.co.uk/wp-content/uploads/2014/09/Blue-smoke-background.jpg/\*/

/\*tr:nth-child(odd) {

background-color: #dddddd;

}\*/

## Testiranje

Deluje za maksimalno vrednost spremenljivk.