

## Indicații la probleme de temă - AJAX

1. Sa se scrie o pagina HTML care contine doua liste cu statii de plecare si statii de sosire pentru trenuri. Server side se intretine o baza de date cu inregistrari de forma:

(Oras1, Oras2)  
 (Oras1, Oras3)  
 (Oras2, Oras4)  
 (Oras2, Oras5)  
 (Oras6, Oras7)

In momentul in care utilizatorul selecteaza o statie de plecare in prima componenta lista a doua se va actualiza folosind AJAX cu lista statiilor in care se poate ajunge din orasul selectat in prima lista.

In PHP: tabel cu statiile de plecare si statiile de sosire; de exemplu tabelul routes[departure, arival].

Table	Action	Rows	Type	Collation	Size	Overhead
products	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_general_ci	16.0 Kib	-
routes	Browse Structure Search Insert Empty Drop	10	InnoDB	utf8mb4_general_ci	16.0 Kib	-
students	Browse Structure Search Insert Empty Drop	7	InnoDB	utf8mb4_general_ci	16.0 Kib	-
<b>3 tables Sum</b>		<b>22</b>	<b>InnoDB</b>	<b>utf8mb4_general_ci</b>	<b>48.0 Kib</b>	<b>0 B</b>

Name:	Number of columns:
	4

Console

```
localhost/phpmyadmin/index.php?route=/sql&server=1&db=lab6&table=routes&pos=0
```

Showing rows 0 - 9 (10 total, Query took 0.0009 seconds.)

SELECT \* FROM `routes`

Options

departure arrival

Suceava Bucuresti Cluj-Napoca Suceava Iasi Bucuresti Arad Cluj-Napoca Suceava Iasi Suceava

In HTML (executie): cand se apasa pe o statie de plecare, se afiseaza statiile de sosire corespunzatoare (practic, prin interogarea in baza de date).

The screenshot shows the phpMyAdmin interface for a database named 'lab6'. The left sidebar lists databases like 'information\_schema', 'lab6', 'mysql', etc. The 'routes' table under 'lab6' is selected. The table has two columns: 'departure' and 'arrival'. The data is as follows:

departure	arrival
Suceava	Bucuresti
Bucuresti	<b>Suceava</b>
Cluj-Napoca	Suceava
Suceava	Cluj-Napoca
Iasi	Bucuresti
Bucuresti	Iasi
Arad	Cluj-Napoca
Cluj-Napoca	Arad
Suceava	Iasi
Iasi	Suceava

O alta posibila interfata HTML:

Plecari

Sosiri

Idee cod (PHP):

```

1 <?php
2
3 header("Access-Control-Allow-Origin: *");
4
5 $mysqli = new mysqli("localhost", "root", "", "statii");
6
7 if($mysqli->connect_error) {
8     exit('Could not connect');
9 }
10
11 $sql = "SELECT Statie2 FROM tren WHERE Statie1 = ?;";
12
13 $stmt = $mysqli->prepare($sql);
14 $stmt -> bind_param('s', $_GET['plecare']);
15 $stmt -> execute();
16 $stmt -> bind_result($result);
17
18 echo "<table>";
19

```

Idee cod (HTML):

```

D: > xampp > htdocs > ajaxTema > p1.html > html > body > script > showRoutes
1<script>
2
3     function showRoutes(str) {
4         var xhttp;
5         if (str == "") {
6             document.getElementById("sosire").innerHTML = "";
7             return;
8         }
9         xhttp = new XMLHttpRequest();
10        xhttp.onreadystatechange = function() {
11            if (this.readyState == 4 && this.status == 200) {
12                document.getElementById("sosire").innerHTML = this.responseText;
13            }
14        };
15        xhttp.open["GET", "http://localhost/ajaxTema/p1php.php?plecare="+str, true];
16        xhttp.send(null);
17    }
18

```

2. O tabela dintr-o baza de date mentinuta server side are urmatoarele atribute: Nume, Prenume, Telefon, E-mail. Inregistrarile din aceasta tabela vor fi afisate pe client paginate 3 pe pagina, impreuna cu doua butoane Next si Previous. La actionarea butoanelor Next si Previous se vor afisa urmatoarele 3, respectiv anterioarele 3 inregistrari din baza de date, care vor fi aduse pe client printr-un apel AJAX. Butoanele Next si Previous trebuie sa devina disabled daca in urma actionarii acestora nu se mai pot aduce inregistrari noi pe client.

In PHP se creaza tabel cu atributele [Nume, Prenume, Telefon, Email], de unde se vor si extrage si afisa cate 3 pe pagina si corespunzator butoane de Next si Previous. Butoanele vor fi active doar atunci cand exista o posibila pagina cu inregistrari (fie inainte, fie inapoi). Pe fiecare pagina vor fi cate 3 inregistrari, exceptie pe ultima pagina pe care poti fi 1 sau 2 sau 3 inregistrari, in functie de cate sunt in tabelul din baza de date.

## Baza de date / tabel:

Showing rows 0 - 6 (7 total, Query took 0.0009 seconds.)

`SELECT * FROM `students``

	id	nume	prenume	telefon	e-mail
1	Popescu	Ion		0722888999	popescuion@yahoo.com
2	Alexandrescu	Mihai		0754662233	mihialexandrescu@gmail.com
3	Petrescu	Bogdan		0744111222	bogdanpetrescu@gmail.com
4	Bolovan	Razvan		0777888999	razvanbolovan@yahoo.com
5	Magnolia	Maria		0744256399	mariamagnolia@yahoo.com
6	Marcu	Anton		0758444111	antonmarcu@gmail.com
7	Bovidiu	Ovidiu		0722333444	ovidiubovidiu@yahoo.com

## HTML afisare:

Nume	Prenume	Telefon	E-mail
Popescu	Ion	0722888999	popescuion@yahoo.com
Alexandrescu	Mihai	0754662233	mihialexandrescu@gmail.com
Petrescu	Bogdan	0744111222	bogdanpetrescu@gmail.com

[Previous](#) [Next](#)

Nume	Prenume	Telefon	E-mail
Bolovan	Razvan	0777888999	razvanbolovan@yahoo.com
Magnolia	Maria	0744256399	mariamagnolia@yahoo.com
Marcu	Anton	0758444111	antonmarcu@gmail.com

[Previous](#) [Next](#)

Nume	Prenume	Telefon	E-mail
Bovidiu	Ovidiu	0722333444	ovidiubovidiu@yahoo.com

[Previous](#) [Next](#)

## Idee cod (HTML):

```

LAB10
    f1_2.html
    f2.html
    file1.html
    file2.html
    p1_jq.html
    p1.html
    p2_jq.html
    p2.html
    p3_jq.html
    p3.html
    p4_jq.html
    p4.html
    p5_jq.html
    p5.html
    p6_jq.html

p2.html > html > head > script > loadDoc
    25
    26
    27
    28
    29
    30
    31
    32
    33
    34
    35
    36
    37
    38
    39
    40
    41

    }

function loadDoc(pageNr) {
    const REQUEST_URL = "http://localhost/mine/ex2.php?page=";

    var xhttp = new XMLHttpRequest();
    xhttp.onreadystatechange = function () {
        if (this.readyState == 4 && this.status == 200) {
            document.getElementById("results").innerHTML = this.responseText;
        }
    };
    xhttp.open("GET", REQUEST_URL + pageNr, true);
    xhttp.send();
}
loadDoc(currentPage);
window.onload = function() {
}

```

3. Intr-o baza de date mentinuta server side exista inregistrari indexate dupa un anumit camp cheie (spre exemplu id). Sa se scrie o pagina HTML ce contine o lista ale caror valori sunt valorile atributului cheie. Pagina HTML contine si un formular care contine, pentru elementul selectat din lista, valorile corespunzatoare ale celorlalte atribute din baza de date. La modificarea elementului selectat in lista se vor actualiza valorile din

formular. La modificarea valorilor din formular, un buton "Save" initial disabled va deveni activ, actionarea sa ducand la salvarea datelor server side. La modificarea datelor din formular si selectarea altui element cheie din lista fara salvarea datelor din formular, utilizatorul va fi atentionat ca datele s-au modificat si daca se doreste in prealabil salvarea acestora. Problema va fi implementata folosind AJAX.

HTML afisare:

The figure consists of three side-by-side screenshots of an HTML form. The form contains fields for Name, First Name, Telephone, and Email, each with a text input field. Below the inputs is a 'Save' button. To the left of the inputs is a dropdown menu with options 1 through 7. In the first screenshot, option 1 is selected. In the second, option 2 is selected, and the 'Save' button is now highlighted as active. In the third, a cursor is hovering over the 'Save' button.

In PHP:

The figure shows the 'phpMyAdmin' interface connected to a MySQL database named 'lab6'. The 'students' table is selected. The table structure includes columns: id, nume, prenume, telefon, and email. Data is present in the table:

	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	<a href="#">id</a>	<a href="#">nume</a>	<a href="#">prenume</a>	<a href="#">telefon</a>	<a href="#">email</a>
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	1	Popescu	Ion	0722888999	popescuion@yahoo.com
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	2	Alexandrescu	Mihai	0754662233	mihialexandrescu@gmail.com
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	3	Petrescu	Bogdan	0744111222	bogdanpetrescu@gmail.com
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	4	Bolovan	Razvan	0777888999	razvanbolovan@yahoo.com
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	5	Magnolia	Maria	0744256399	mariamagnolia@yahoo.com
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	6	Marcu	Anton	0758444111	antonmarcu@gmail.com
<input type="checkbox"/>	<a href="#">Edit</a>	<a href="#">Copy</a>	<a href="#">Delete</a>	7	Bovidiu	Ovidiu	0722333444	ovidiubovidiu@yahoo.com

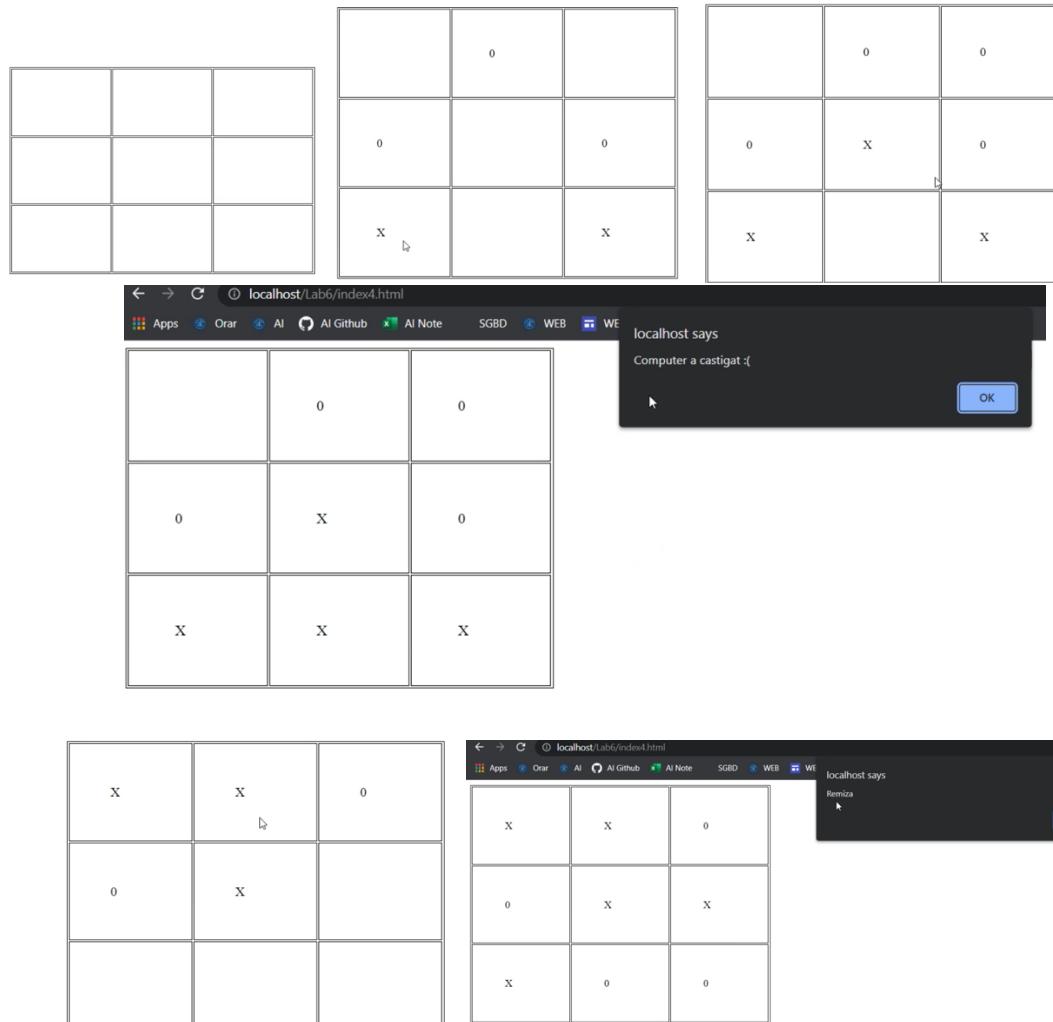
In HTML:

The figure shows a web browser window with the URL `localhost/Lab6/index3.html?nume=Alexandrescuuu&prenume=Mihai&telefon=0754662233&email=mihialexandrescu%40gmail.com`. The page displays a form with fields for Name, First Name, Telephone, and Email, all containing incorrect or modified values. A confirmation dialog box is overlaid on the page, asking 'Sunteti sigur ca doriti sa alegeti alt student?'. The 'OK' button is highlighted with a cursor.

4. Sa se scrie o pagina HTML care contine un tabel de  $3 \times 3$  care reprezinta o tabla de X-0. Aleator va incepe sa joace fie calculatorul fie jucatorul. La un click intr-o casuta a tabelului

acesta se va completa cu X sau 0 in functie daca a inceput sau nu jucatorul uman. Dupa actiunea jucatorului se va apela prin AJAX un script server side care face urmatoarea mutare. Tot server side se va face verificarea terminarii jocului.

HTML afisare: joc x-o: câștig jucător, câștig calculator și remiză.



Idee cod (PHP):

The screenshot shows a code editor interface. On the left, there is a file tree under a folder named 'LABORATOR...'. The tree includes sub-folders P1 through P6, each containing an 'index.html' file and a 'server.php' file. The 'server.php' file from folder P4 is currently selected and displayed on the right. The code in the editor is a PHP script that generates a 3x3 array of random numbers (0 or 1) and checks for a winning combination (three in a row). It uses the `rand` function to generate random indices and the `header` function to set the Access-Control-Allow-Origin header.

```

P4 > server.php
1 <?php
2
3 header("Access-Control-Allow-Origin: *");
4
5 $array = str_split($_GET['arr']);
6
7 $isfinished = 1;
8
9 for($i = 0; $i < 9; $i ++){
10    if($array[$i] == "-")
11       | $isfinished = 0;
12
13 if($isfinished == 0){
14    $index = rand(0, 8);
15    while($array[$index] != "-")
16       $index = rand(0, 8);
17
18    $array[$index] = "0";
19 }
20
21 $xwin = 0;
22 $owin = 0;
23
24 // 0 1 2
25 // 3 4 5
26 // 6 7 8
27 // Verify the winner
28
29 if($array[0] == 'X' and $array[1] == 'X' and $array[2] == 'X')
30    $xwin = 1;
31
32 if($array[3] == 'X' and $array[4] == 'X' and $array[5] == 'X')
33    $xwin = 1;

```

5. Folosind JavaScript sa se creea o componenta de tipul Tree-View. Nodurile acestei componente vor contine nume de directoare, iar frunzele nume de fisiere. Aceasta componenta va fi creata cu ajutorul AJAX si va reflecta structura de directoare server-side (la un click pe un nod director se va apela un script server side care va intoarce browserului continutul directorului respectiv). La un click pe un nod frunza (fisier) la un click pe acest fisier se va vizualiza in pagina HTML si continutul fisierului. Pe client, Tree-View-ul va fi implementat sub forma unei liste de liste (de liste, etc) create cu ajutorul tag-urilor `<ul>` si `<li>`.

In HTML: structura folderelor si corespunzator cand se deschid vor contine textul de documente afisat.

- index1.html
- index2.html
- index3.html
- index4.html
- index5.html
- index6.html

The screenshot shows a browser window displaying a tree-view structure. The root node is a folder containing files like 'jquery-min.js', 'script1.js', 'script2.js', etc. Below it is another folder with files 'script3.js', 'script4.js', 'script5.js', 'script6.js'. At the bottom level, there are files 'index1.php', 'index2.php', and 'index3\_find.php'. To the right of the tree-view, the browser's developer tools are open, showing the generated HTML code. The HTML structure includes a `div` with a `result` class for the tree-view, and a `div` with an `file-content` class for the file contents. The `file-content` class has a `margin-left: 50px;` style applied.

```

<!DOCTYPE html>
<html>
<head>
<title>Probleme 5</title>
<script src="js/jquery-min.js"></script>
<script src="js/script5.js"></script>
<style>
.result {
  width: 500px;
  float: left;
}
.file-content {
  margin-left: 50px;
}
</style>
<body>
<div>onload="func1()"</div>
<div id="result"></div>
<div id="file-content"></div>
</body>
</html>

```

```

• index1.html
• index2.html
• index3.html
• index4.html
• index5.html
• index6.html
  ↳
  ./js
    o jquery-min.js
      o script1.js
      o script2.js
      o script3.js
      o script4.js
      o script5.js
      o script6.js
  ./php
    o index1.php
    o index2.php
    o index3_find.php

```

```

<!DOCTYPE html>
<html>
<head>
  <title>Problema 2</title>
  <script src="js/jquery-min.js"></script>
  <script src="js/script2.js"></script>
  <style>
    table {
      margin: 10px;
    }
    table, th, td {
      border: 1px solid black;
    }
    td {
      padding: 5px;
    }
    button {
      margin: 10px;
    }
  </style>
</head>
<body onload="sendRequest(0)">
<div id="result"></div>
</body>

```

```

• index1.html
• index2.html
• index3.html
• index4.html
• index5.html
• index6.html
  ↳
  ./js
    o jquery-min.js
      o script1.js
      o script2.js
      o script3.js
      o script4.js
      o script5.js
      o script6.js
  ./php
    o index1.php
    o index2.php
    o index3_find.php

```

```

• index1.html
• index2.html
• index3.html
• index4.html
• index5.html
• index6.html
  ↳
  ./js
    o jquery-min.js
      o script1.js
      o script2.js
      o script3.js
      o script4.js
      o script5.js
      o script6.js
  ./php
    o index1.php
    o index2.php
    o index3_find.php

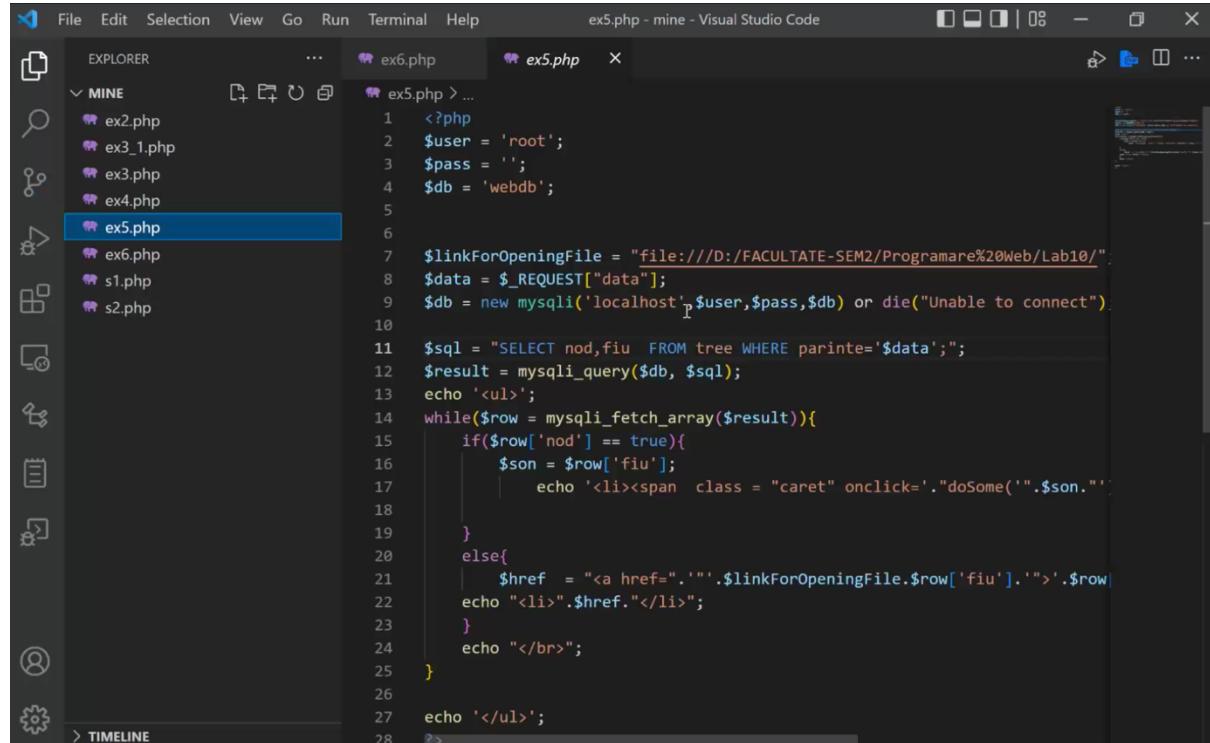
```

```

<!DOCTYPE html>
<html>
<head>
  <title>Problema 1</title>
  <script src="js/jquery-min.js"></script>
  <script src="js/script1.js"></script>
  <style>
    select {
      min-width: 200px;
      margin: 10px;
      min-height: 100px;
    }
  </style>
</head>
<body>
  <div id="main">
    <select id="departure-list" onchange="showArrivals(this.value)" multiple="true">
      <option value="Bucuresti">Bucuresti</option>
      <option value="Iasi">Iasi</option>
      <option value="Cluj-Napoca">Cluj-Napoca</option>
      <option value="Suceava">Suceava</option>
      <option value="Arad">Arad</option>
    </select>
  </div>
  <div id="result">
    <select multiple="true"></select>
  </div>

```

## Idee cod (PHP):



```
1 <?php
2 $user = 'root';
3 $pass = '';
4 $db = 'webdb';
5
6
7 $linkForOpeningFile = "file:///D:/FACULTATE-SEM2/Programare%20Web/Lab10/";
8 $data = $_REQUEST["data"];
9 $db = new mysqli('localhost', $user, $pass, $db) or die("Unable to connect");
10
11 $sql = "SELECT nod,fiu FROM tree WHERE parinte='$data'";
12 $result = mysqli_query($db, $sql);
13 echo '<ul>';
14 while($row = mysqli_fetch_array($result)){
15     if($row['nod'] == true){
16         $son = $row['fiu'];
17         echo '<li><span class = "caret" onclick=doSome('. $son .')>';
18     }
19     else{
20         $href = "<a href='".$linkForOpeningFile.$row['fiu']."'>" . $row;
21         echo "<li>$href.</li>";
22     }
23     echo "<br>";
24 }
25
26
27 echo '</ul>';
28 }
```

6. Sa se scrie o pagina HTML care contine o serie de combo boxuri legate de proprietatile articolelor vandute intr-un magazin on-line IT. Sa se implementeze folosind AJAX un mecanism de filtrare a articolelor dorite de utilizator dupa proprietatile acestora. Spre exemplu, clientul va putea filtra notebookurile din baza de date dupa urmatoarele proprietati: producator, procesor, memorie, capacitate HDD, placa video, etc.

PHP va contine baza de date / tabel cu produsele disponibile, respectiv cu atributele specificate: producator, procesor, memorie, capacitateHDD, placaVideo, ...

phpMyAdmin

Server: 127.0.0.1 » Database: lab6 » Table: products

Browse Structure SQL Search Insert Export Import

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete feature

Showing rows 0 - 4 (5 total, Query took 0.0015 seconds.)

`SELECT * FROM `products``

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all Number of rows: 25 Filter rows: Search this table

+ Options

producator	procesor	memorie	capacitateHDD	placavideo
HP	AMD Ryzen 3 5300U	8	512	AMD Radeon Graphics
Lenovo	AMD Ryzen 7 4700H	16	512	Nvidia GTX 1660
HP Pavilion	Intel Core i5	8	256	Intel Graphics
Lenovo	Intel Core i5	8	256	Intel Graphics
Dell	Intel Core i3	16	1024	Intel Graphics

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

In HTML: se va putea face filtrarea dupa aceste coloane.

Producator

Producator	Procesor	Memorie	Capacitate HDD	Placa Video
HP	AMD Ryzen 3 5300U	8	512	AMD Radeon Graphics
Lenovo	AMD Ryzen 7 4700H	16	512	Nvidia GTX 1660
HP Pavilion	Intel Core i5	8	256	Intel Graphics
Lenovo	Intel Core i5	8	256	Intel Graphics
Dell	Intel Core i3	16	1024	Intel Graphics

Producator

Producator  
Procesor  
Memorie  
Capacitate HDD  
Placa Video

	Procesor	Memorie	Capacitate HDD	Placa Video
Capacitate HDD	AMD Ryzen 3 5300U	8	512	AMD Radeon Graphics
Placa Video	AMD Ryzen 7 4700H	16	512	Nvidia GTX 1660
HP Pavilion	Intel Core i5	8	256	Intel Graphics
Lenovo	Intel Core i5	8	256	Intel Graphics
Dell	Intel Core i3	16	1024	Intel Graphics

Producator   HP

Producator	Procesor	Memorie	Capacitate HDD	Placa Video
HP	AMD Ryzen 3 5300U	8	512	AMD Radeon Graphics
HP Pavilion	Intel Core i5	8	256	Intel Graphics

Memorie  16

Producator	Procesor	Memorie	Capacitate HDD	Placa Video
Lenovo	AMD Ryzen 7 4700H	16	512	Nvidia GTX 1660
Dell	Intel Core i3	16	1024	Intel Graphics

Formatul in care este afisata informatia nu este relevant.

Dispozitive:

Culoare:

Procesor:

Memorie:

Description	Type	Color	Procesor	Memory
Apple watch series 7	Smartwatch	Black	Altele	16GB
Garmin watch	Smartwatch	Black	Altele	16GB

Dispozitive:

Culoare:

Procesor:

Memorie:

Description	Type	Color	Procesor	Memory
-------------	------	-------	----------	--------

## All products:

Description	Type	Color	Procesor	Memory
iphone 13	Telefon	Grey	Bionic	16GB
dell	Laptop	Black	Intel	1T
dell	Laptop	Black	AMD	512GB
asus	Laptop	Black	Intel	1T
Samsung	Telefon	Grey	Altele	16GB
Apple watch series 7	Smartwatch	Black	Altele	16GB
Garmin watch	Smartwatch	Black	Altele	16GB

## All products:

Description	Type	Color	Procesor	Memory
iphone 13	Telefon	Grey	Bionic	16GB
dell	Laptop	Black	Intel	1T
dell	Laptop	Black	AMD	512GB
asus	Laptop	Black	Intel	1T
Samsung	Telefon	Grey	Altele	16GB
Apple watch series 7	Smartwatch	Black	Altele	16GB
Garmin watch	Smartwatch	Black	Altele	16GB

Dispozitive:

Culoare:

Procesor:

Memorie:

Description	Type	Color	Procesor	Memory
dell	Laptop	Black	Intel	1T
asus	Laptop	Black	Intel	1T

## All products:

Description	Type	Color	Procesor	Memory
iphone 13	Telefon	Grey	Bionic	16GB
dell	Laptop	Black	Intel	1T
dell	Laptop	Black	AMD	512GB
asus	Laptop	Black	Intel	1T
Samsung	Telefon	Grey	Altele	16GB
Apple watch series 7	Smartwatch	Black	Altele	16GB
Garmin watch	Smartwatch	Black	Altele	16GB

Alt format:

## Notebook shop

Id	Producator	Procesor	Hdd	Ram
1	Apple	i5	1000	16
2	Dell	i7	1000	8

### Idee cod (PHP):

```

C: > xampp >htdocs > backend-script6.php
1 <?php
2     include("database.php");
3     $db = $conn;
4
5
6     function initializeTable() {
7         global $db;
8         $return_array = array();
9         $query = "SELECT * from notebook";
10        $result = mysqli_query($db, $query);
11
12        while($row = mysqli_fetch_array($result)) {
13            $name = $row['name'];
14            $producator = $row['producator'];
15            $procesor = $row['procesor'];
16            $memorie = $row['memorie'];
17
18            $return_array[] = array(
19                "name" => $name,
20                "producator" => $producator,
21                "procesor" => $procesor,
22                "memorie" => $memorie);
23        }
24
25        echo json_encode($return_array);
26    }
27
28
29 Restricted Mode ① 0 △ 0

```

Line 1, Col 1   Spaces: 2   UTF-8   CRLF   PHP   ⚙   □

```

function initializeMemorie() {
    global $db;
    $return_array = array();

    $query = "SELECT distinct memoria from notebook";
    $result = mysqli_query($db, $query);

    while($row = mysqli_fetch_array($result)) {
        $memorie = $row['memorie'];

        $return_array[] = array(
            "memorie" => $memorie
        );
    }

    echo json_encode($return_array);
}

function initializeProducator() {
    global $db;
    $return_array = array();
    $query = "SELECT distinct producator from notebook";
    $result = mysqli_query($db, $query);
    while($row = mysqli_fetch_array($result)) {
        $producator = $row['producator'];
        $return_array[] = array(
            "producator" => $producator
        );
    }
    echo json_encode($return_array);
}

```

```

function filterProducator() {
    global $db;
    $return_array = array();

    $field = $_POST['field'];

    $query = "SELECT * from notebook where producator = '$field'";
    $result = mysqli_query($db, $query);

    while($row = mysqli_fetch_array($result)) {
        $nume = $row['nume'];
        $producator = $row['producator'];
        $procesor = $row['procesor'];
        $memorie = $row['memorie'];

        $return_array[] = array(
            "nume" => $nume,
            "producator" => $producator,
            "procesor" => $procesor,
            "memorie" => $memorie);
    }

    echo json_encode($return_array);
}

```

### Idee JS script (AJAX call):

```

4.php   JS ajax-script4.js  Problema6b.php  backend-script6b.php  JS ajax-script6b.js  Problema6.php  backend-script6.php  JS ajax-script6.js X
C: > xampp > htdocs > JS ajax-script6js > ...
1  $(function () {
2
3      $.ajax({
4          type: "post",
5          url: "backend-script6.php",
6          dataType: "json",
7          data: {
8              action: "initialize"
9          },
10         success: function(response){
11             var length = response.length;
12             for(var i = 0; i < length; i++){
13                 var nume = response[i].nume;
14                 var producator = response[i].producator;
15                 var procesor = response[i].procesor;
16                 var memorie = response[i].memorie;
17                 var table_row = "<tr>" +
18                     "<td>" + nume + "</td>" +
19                     "<td>" + producator + "</td>" +
20                     "<td>" + procesor + "</td>" +
21                     "<td>" + memorie + "</td>" +
22                     "</tr>";
23                 $("#notebook tbody").append(table_row);
24             }
25         });
26     });
27

```

```
$("#producator").on("change", function() {
    var text = $(this).find(':selected').text();
    $("#da").text(text);
    $("#notebook tbody").empty();
    $.ajax({
        type: "post",
        url: "backend-script6.php",
        dataType: "json",
        data: {
            action: "initializeProducator"
        },
        success: function(response){
            var len = response.length;
            for(var i=0; i<len; i++){
                var producator = response[i].producator;
                var option = "<option>" + producator + "</option>";
                $("#producator").append(option);
            }
        }
    });
});

$("#da").change(function() {
    var text = $(this).text();
    $("#notebook tbody").empty();
    $.ajax({
        type: "post",
        url: "backend-script6.php",
        dataType: "json",
        data: {
            action: "filterProducator",
            field: text
        },
        success: function(response){
            var length = response.length;
            for(var i = 0; i < length; i++){
                var nume = response[i].nume;
                var producator = response[i].producator;
                var procesor = response[i].procesor;
                var memorie = response[i].memorie;
                var table_row = "<tr>" +
                    "<td>" + nume + "</td>" +
                    "<td>" + producator + "</td>" +
                    "<td>" + procesor + "</td>" +
                    "<td>" + memorie + "</td>" +
                    "</tr>";
            }
            $("#notebook tbody").append(table_row);
        }
    });
});
```