

Name: Akhmedov **Yusufjon** Muhammad ugli

Major: Computer Engineering

Student Number: 202438404

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Q1: Write an HTML code for the below Table, and add link to Wikipedia pages to each city and country (please take help from Lec.

04). You have to produce the below example first, and then add links.

North America

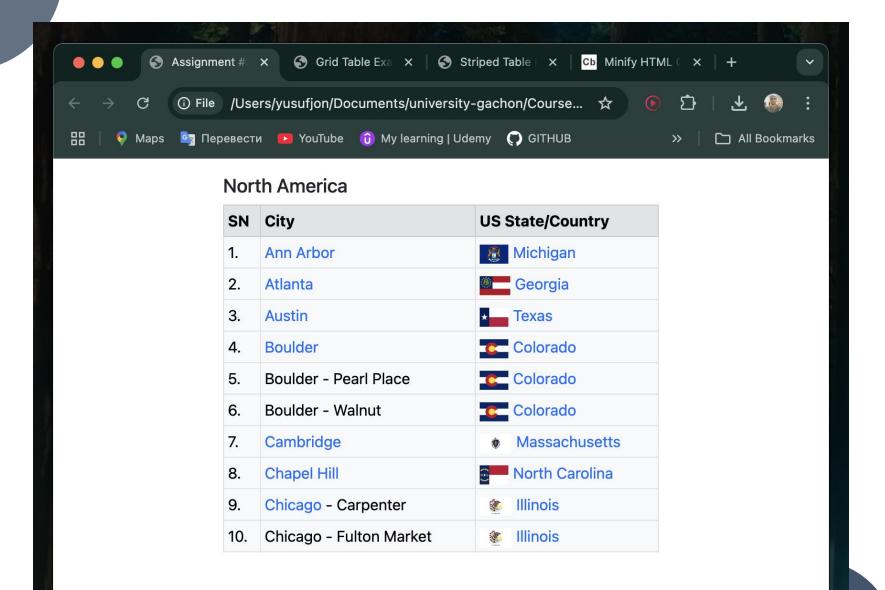
SN	City	US State/Country	
1.	Ann Arbor	Michigan	
2.	Atlanta	Georgia Georgia	
3.	Austin	Texas	
4.	Boulder	Colorado Colorado	
5.	Boulder - Pearl Place	Colorado	
6.	Boulder - Walnut	Colorado	
7.	Cambridge	Massachusetts	
8.	Chapel Hill	North Carolina	
9.	Chicago – Carpenter	• Illinois	
10.	Chicago – Fulton Market	* Illinois	

HTML - Minified version

```
<!DOCTYPE html > html | lang="en" > chead > meta chars et="UTF-8" > meta name="viewport" content="width=auto, initial-scale=1" > title > Assignment #3 - Akhmedov
Yusufjon</title>Yusufjon</title>Yusufjon</title>Yusufjon</title>Yusufjon</title>Yusufjon</title>Yusufjon</title>Yusufjon</title>Yusufjon</title>Yusufjon</title>Yusufjon</title>Yusufjon</title>Yusufjon</title>Yusufjon</title>YusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjonYusufjon</l
integrity="sha512-Ez0cGzNzHR1tYAv56860NLspgUGuQw16GiOOp/l2LuTmpSK9xDXlgJz3XN4cnpXWDmkNBKXR/VDMTCnAaEooxA=="crossorigin="anonymous"
referrerpolicy="no-referrer"></head>>body><div class="container py-3"><div class="row"><div class="col-md-8 col-lg-6 col-xl-4 mx-auto"><h5>North America</h5><table
class="table-secondary">SNCltyUS
State/Country/tr>/thead>tbody class="table-light">1.a href="https://en.wikipedia.org/wiki/Ann_Arbor_Michigan">Ann Arbor</a>/td>ing src="https://upload.wikimedia.org/wikipedia/commons/b/b5/Flag_of_Michigan.svg" class="flag-icon">Ann Arbor</a>/td>ing src="https://upload.wikimedia.org/wikipedia/commons/b/b5/Flag_of_Michigan.svg" class="flag-icon">Ann Arbor</a>
href="https://en.wikipedia.org/wiki/Michigan">Michigan</a>/td>a>ref="https://en.wikipedia.org/wiki/Michigan">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta">Atlanta
src="https://upload.wikimedia.org/wikipedia/commons/thumb/0/08/Flag of the State of Georgia.svg/250px-Flag of the State of Georgia.svg.png" class="flag-
icon"><a href="https://en.wikipedia.org/wiki/Georgia_(U.S._state)">Georgia</a>/td>3.td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td>4td><
href="https://en.wikipedia.org/wiki/Austin,_Texas">Austin</a>/td><id>img src="https://upload.wikimedia.org/wikipedia/commons/f/f7/Flag_of_Texas.svg"
class="flag-icon"><a href="https://en.wikipedia.org/wiki/Texas">Texas</a>4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.5.4.6.4.7.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.8.4.<
href="https://en.wikipedia.org/wiki/Boulder, Colorado">Boulder</a>/td><ing src="https://upload.wikimedia.org/wikipedia/commons/4/46/Flag_of_Colorado.svg" class="flag-icon">>a href="https://en.wikipedia.org/wiki/Colorado">Colorado</a>/td>flag-icon">>a href="https://en.wikipedia.org/wiki/Colorado">Colorado</a>/td>flag-icon">>a href="https://en.wikipedia.org/wiki/Colorado">Colorado</a>
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href="https://en.wikipedia.org/wiki/Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">Colorado">
href="https://en.wikipedia.org/wiki/Cambridge_Massachusetts">Cambridge</a>td>img
src="https://upload.wikimedia.org/wikipedia/commons/f/f2/Flag_of_Massachusetts.svg" class="flag-icon"><a
href="https://en.wikipedia.org/wiki/Massachusetts">Massachusetts</a>/td>&<a
src="https://upload.wikimedia.org/wikipedia/commons/b/bb/Flag_of_North_Carolina.svg" class="flag-icon"><a
href="https://en.wikipedia.org/wiki/North Carolina">North Carolina">North Carolina">North Carolina</a>/td>/td>/td></a> href="https://en.wikipedia.org/wiki/North Carolina">North Carolina</a>/a>/a>/
Carpenterfllinois.svg" class="flag-icon"><a
src="https://upload.wikimedia.org/wikipedia/commons/0/01/Flag_of_Illinois.svg" class="flag-icon"><a
```

CSS

```
a{
text-decoration: none !important;
}
.flag-icon {
height: 20px;
margin-right: 5px;
}
```

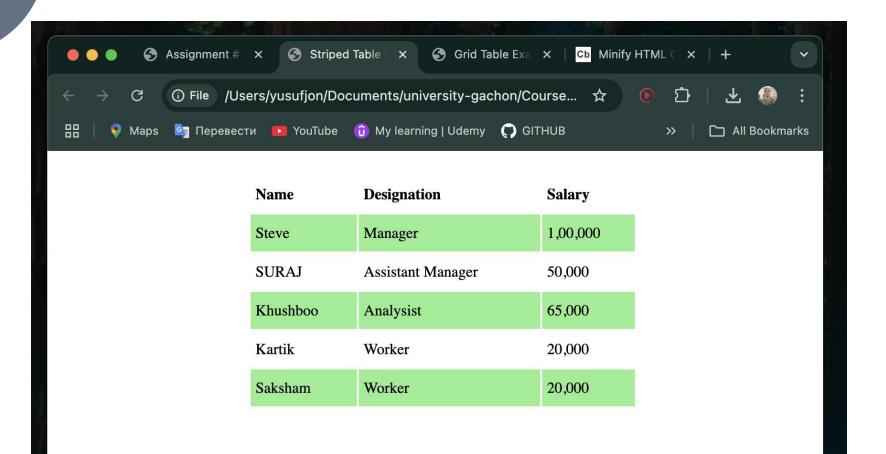


Q2: Write an HTML and CSS code to set the green colour to alternate even rows in a table.

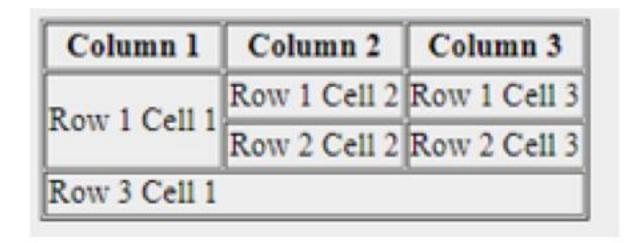
Name	Designation	Salary	
Steve	Manager	1,00,000	
SURAJ	Assistant Manager	50,000	
Khushboo	Analysist	65,000	
Kartik	Worker	20,000	
Saksham	Worker	20,000	

HTML - minified

```
a{
text-decoration: none !important;
}
.flag-icon {
height: 20px;
margin-right: 5px;
}
```



Q3: Analyze the below HTML Table, and count the number of
, , , tags used in it.



Q4: Why HTML tables are used in websites. Please write answer with 2~3 sentences only.

Answer 3: HTML table, border="1", 3 columns, and 4 rows. But first in first column has an attribute of rowspan=2. on the last row has an attribute of colspan=3. Number of

- is 4
- is 3
- is 7

Aswer 4: Tables are used in websites to show list of data either static or dynamic. To make information on the webpage easy to see as many as possible which is user-friendly.



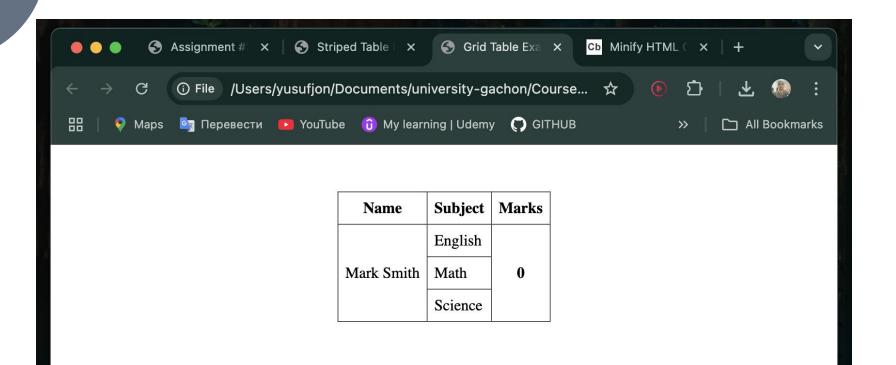
Q5: Write an HTML code to convert the table given on the left side to the right side.

Left Right

Name	Subject	Marks	Name	Subject	Mark
	English	67	 Mark Smith	English	
Mark Smith	Maths	82		Maths	0
	Science	91		Science	

Code

```
፱ tablegrid.html ∪ ×
web-programming > Assignment3 > ⑤ tablegrid.html > ⊘ body > ⊘ table
                                                       web-programming > Assignment3 > ∃ tablegrid.css > ⟨ td
     <!DOCTYPE html>
                                                            table{
                                                               border-collapse: collapse;
     <head>
       <title>Grid Table Example</title>
                                                               margin: 3rem auto;
       <link rel="stylesheet" href="tablegrid.css">
     </head>
                                                            td, th{
     <body>
       padding: 7px;
       <thead>
                                                         8
             Name
             Subject
             Marks
          </thead>
       Mark Smith
             English
             0
          Math
          Science
          28
       </body>
    </html>
```



Q6: Conver the below code to offline CSS style. Please download the CSS file and add it to the HTML code.

```
<title>Bootstrap Example</title>
        <u>https://odn.jsdelivr.net/npm/bootstrap@5.3.0-alphal/dist/css/bootstrap.min.css* rel="stylesheet"></u>
 <style>
    /* Custom Styles */
    .custom-button {
     background-color: #ff6347;
     color: white:
     border-radius: 5px;
 </style>
</head>
<body>
<div class="container mt-5">
    <hl class="text-center mb-4">Bootstrap Example</hl>
    <!-- Buttons with Bootstrap classes -->
    <div class="d-flex justify-content-center mb-4">
     <button class="btn btn-primary mx-2">Primary Button</button>
     <button class="btn btn-secondary mx-2">Secondary Button/button>
     <button class="btn custom-button mx-2">Custom Button
    </div>
    <!-- Grid System Example -->
    <div class="row">
     <div class="col-md-6">
       <div class="p-3 mb-2 bg-light text-dark text-center">Column 1</div>
     </div>
      <div class="col-md-6">
       <div class="p-3 mb-2 bg-light text-dark text-center">Column 2</div>
    </d1v>
  </div>
 <!-- Bootstrap JS and dependencies (Popper.js and Bootstrap JS) -->
 <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.6/dist/umd/popper.min.js"></script>
 <script src="https://odn.jsdelivr.net/npm/bootstrap@5.3.0-alphal/dist/js/bootstrap.min.js"></script>
</body>
</html>
```

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<html lang="en">

<meta charset="UTF-8">

<head>

Note: You can get the code from the lab practice uploaded together with Lec. 5 and modify the circle part.

Code

