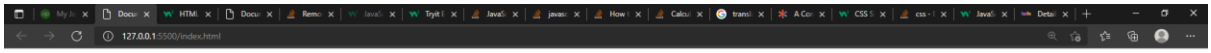
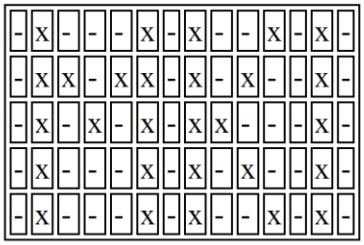
TASK 1



UNIQ FADILAH TASK 1

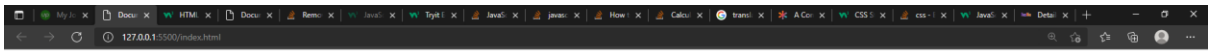


Script

```
const array = [[0,2,3,4,6,8,9,11,13],[0,3,6,8,10,11,13],[0,2,4,6,9,10,11,13],[
0,2,3,4,6,8,10,11,13],[0,2,3,4,6,8,9,11,13]];
const median = 2

function diff (num1, num2) {
    if (num1 > num2) {
      return num1 - num2
    } else {
      return num2 - num1
    }
  }
function TransformArray(array){
    for(let index in array){
        array[index][0] = '-'
        array[index][1] = 'x'
        array[index][2] == 6 ?array[index][2]='x':array[index][2]='-'
        array[index][3] == 6 ?array[index][3]='x':array[index][3]='-'
        array[index][4] == 10 ?array[index][4]='x':array[index][4]='-'
        array[index][5] = 'x'
        array[index][6] = '-'
        array[index][7] = 'x'
        index == median ? array[index][8] = 'x':array[index][8] = '-'
        diff(index,median) == 1 ? array[index][9] = 'x':array[index][9] = '-'
        diff(index,median) == 2 ? array[index][10] = 'x':array[index][10] = '-
'
        array[index][11] = '-'
```

```
        array[index][12] = 'x'
        array[index][13] = '-'

    }
    createTable(array)

}
function createTable(array) {
    var table = document.createElement('table');
    var tableBody = document.createElement('tbody');

    array.forEach(function(rowData) {
      var row = document.createElement('tr');

      rowData.forEach(function(cellData) {
        var cell = document.createElement('td');
        cell.appendChild(document.createTextNode(cellData));
        row.appendChild(cell);
      });

      tableBody.appendChild(row);
    });

    table.appendChild(tableBody);
    document.body.appendChild(table);
  }
TransformArray(array)
```

TASK 2



UNIQ FADILAH TASK 1

0	1	2	3
	3	1	2
1	2	3	4
2	3	1	4
0	2		3

Script

```
const array = [[0,1,2,3],[0,3,1,2],[1,2,3,4],[2,3,1,4],[0,2,2,3]]
function createTable(tableData) {
    var table = document.createElement('table');
    var tableBody = document.createElement('tbody');

    tableData.forEach(function(rowData) {
      var row = document.createElement('tr');

      rowData.forEach(function(cellData) {
        var cell = document.createElement('td');
        cell.appendChild(document.createTextNode(cellData));
        row.appendChild(cell);
      });

      tableBody.appendChild(row);
    });

    table.appendChild(tableBody);
    document.body.appendChild(table);
  }

  createTable(array);

const table = document.querySelector('table');
```

```
let headerCell
for (let row of table.rows) {
    const firstCell = row.cells[0];

    if (!headerCell || firstCell.innerText !== headerCell.innerText) {
      headerCell = firstCell;
    } else {
      headerCell.rowSpan++;
      firstCell.remove();
    }

    let firstrow
    for (let index of row.cells){
        if(!firstrow || index.innerText !==firstrow.innerText){
            firstrow = index
        }else{
            index.colSpan++
            firstrow.remove()
        }
    }
}
```