

## Assignment 1:

Hereby declares that the Assignment is my original work. I have not plagiarized from any other work.

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1. Using the JavaScript programming language, build JavaScript that receives salary as input (using prompt) and calculates tax based on tax schedule. Then calculate net salary after deducting tax amount.  
[ 5 marks]

## Tax

Salary	Tax
Less than 3000	0 %
3001-5000	2.5 %
5001-7000	5 %
7001-10000	7.5%
More than 10000	10%

2. Based on question 1, convert your program to function form. [ 5 marks]

Answer:

GitHub Repository: <https://github.com/Shimol-Khan/MMS-3013-Assignment-1>


**MMS3013 (Web Programming)**  
Assignment-1

Salary	Tax
Less than 3000	0 %
3001 - 5000	2.5 %
5001 - 7000	5 %
7001 - 10000	7.5 %
More than 10000	10 %

Result will appear here!

Enter the salary

**Calculate**

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**MMS3013 (Web Programming)**  
 Assignment-1

Salary	Tax
Less than 3000	0 %
3001 - 5000	2.5 %
5001 - 7000	5 %
7001 - 10000	7.5 %
More than 10000	10 %

Your Salary: 7856  
 Your Tax: 589.20  
 Your Net Salary: 7266.80

7856

Calculate

i

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### Code Snippets (index.html)

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>MMS3013 (Web Programming)</title>
  <meta name="author" content="Shimol Khan">
  <meta name="keywords" content="HTML, CSS, JavaScript, TailwindCss">
  <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.8.2/css/all.css">
  <link rel="stylesheet" href="public/styles.css">
</head>
<body class="bg-gray-300 flex justify-center items-center h-screen">
  <!-- Card Wrapper -->
  <div class="w-2/4 bg-white p-10 rounded shadow-md">
    <!-- Title --->
    <div class="text xl font-bold text-center">
      MMS3013 (Web Programming)
    </div>
    <!-- /Title -->

    <!-- Sub Title --->
    <div class="text-sm text-center pb-2">
      Assignment-1
    </div>
    <!-- / Sub Title -->
  
```

```
<!-- Tax Rate Table --->
```

```
<table class="table-auto w-full">
```

```
<thead>
```

```
<tr>
```

```
<th class="border px-4 py-2 text-left">Salary</th>
```

```
<th class="border px-4 py-2 text-left">Tax</th>
```

```
</tr>
```

```
</thead>
```

```
<tbody>
```

```
<tr>
```

```
<td class="border px-4 py-2">Less than 3000</td>
```

```
<td class="border px-4 py-2">0 %</td>
```

```
</tr>
```

```
<tr>
```

```
<td class="border px-4 py-2">3001 - 5000</td>
```

```
<td class="border px-4 py-2">2.5 %</td>
```

```
</tr>
```

```
<tr>
```

```
<td class="border px-4 py-2">5001 - 7000</td>
```

```
<td class="border px-4 py-2">5 %</td>
```

```
</tr>
```

```
<tr>
```

```
<td class="border px-4 py-2">7001 - 10000</td>
```

```
<td class="border px-4 py-2">7.5 %</td>
```

```
</tr>
```

```
<tr>
```

```
<td class="border px-4 py-2">More than 10000</td>
```

```
<td class="border px-4 py-2">10 %</td>
```

```
</tr>
```

```
</tbody>
```

```
</table>
```

```
<!-- / Tax Rate Table -->
```

```
<!-- Result Section --->
```

```
<section class="result w-full bg-gray-200 rounded mt-2 mb-2 px-4 py-4">
```

```
<h2 id="result__header">Result will appear here!</h2>
```

```
<h2 id="salary"></h2>
```

```
<h2 id="tax"></h2>
```

```
<h2 id="netSalary"></h2>
```

```
</section>
```

```
<!-- / Result Section -->
```

```
<!-- Form And Action Buttons Section --->
```

```
<section class="py-3">
```

```
<form name="form">
```

```
<input type="number" name="salary" class="bg-gray-300 rounded border px-3 py-2 w-full
outline-none focus:outline-none" placeholder="Enter the salary">
```

```
</form>
```

```
<button class="mt-2 bg-blue-500 hover:bg-blue-700 text-white font-bold py-2 px-4 rounded-lg
```

```

outline-none focus:outline-none" onclick="calculateNetSalary()">
    Calculate
</button>
</section>
<!-- Form And / Action Buttons Section -->

<!-- Developer Section --->
<section class="bg-teal-100 border-t-4 border-teal-500 rounded-b text-teal-900 px-4 py-3 shadow-
md mt-5" role="alert">
    <div class="flex">
        <div class="py-1"><svg class="fill-current h-6 w-6 text-teal-500 mr-4"
xmlns="http://www.w3.org/2000/svg" viewBox="0 0 20 20"><path d="M2.93 17.07A10 10 0 1 1 17.07
2.93 10 10 0 0 1 2.93 17.07zm12.73-1.41A8 8 0 1 0 4.34 4.34a8 8 0 0 0 11.32 11.32zM9 11V9h2v6H9v-
4zm0-6h2v2H9V5z"/></svg></div>
        <div>
            <p>Developed by Shimol Khan (D20171079547), on behalf of <span class="font-bold"> Profesor
Madya Dr. Muhammad Modi bin Lakulu</span></p>
            <p class="text-sm">Find me on <a href="https://github.com/Shimol-Khan" target="_blank"><i
class="fab fa-github"></i> Github</a></p>
        </div>
    </div>
</section>
<!-- / Developer Section -->
</div>
<!-- Card Wrapper -->

<!-- External JavaScript File Reference --->
<script src="main.js"></script>
<!-- / External JavaScript File Reference -->
</body>
</html>

```

#### Code Snippets (main.js)

```

// Function to calculate net salary
function calculateNetSalary() {
    // Getting User Input From The Form
    var salary = document.form.salary.value;

    // Initializing tax as 0 by default
    var tax = 0;

    // Tax Rules As Switch Statement
    switch (true) {
        // 0% Tax if Salary is between (1 - 3000)
        case (salary > 0 && salary <= 3000):
            tax = (0 * salary) / 100;
            break;
    }
}

```

```

// 2.5% Tax if Salary is between (3001 - 5000)
case (salary >= 3001 && salary <= 5000):
    tax = (2.5 * salary) / 100;
    break;

// 5% Tax if Salary is between (5001 - 7000)
case (salary >= 5001 && salary <= 7000):
    tax = (5 * salary) / 100;
    break;

// 7.5% Tax if Salary is between (7001 - 10000)
case (salary >= 7001 && salary <= 10000):
    tax = (7.5 * salary) / 100;
    break;

// 10% Tax if Salary is more than 10000 but not equal to 10000
case (salary > 10000):
    tax = (10 * salary) / 100;
    break;

// Default case if the salary entry is wrong
default:
    window.alert('Please Enter Valid Number For Salary');
};

// Tax Deduction Rules To Acheive The Net Salary
var netSalary = salary - tax;

// Resetting Result Header To Blank String
document.getElementById('result__header').innerText = "";

// Sending The Obtained Salary To DOM where id is 'salary'
document.getElementById('salary').innerText = "Your Salary: " + salary;

// Sending The Calculated Tax To DOM where id is 'tax'
document.getElementById('tax').innerText = "Your Tax: " + tax.toFixed(2);

// Sending The Calculated Net Salary To DOM where id is 'netSalary'
document.getElementById('netSalary').innerText = "Your Net Salary: " + netSalary.toFixed(2);
}

```

END