

PROJECT PRELIMINARY REPORT

APPLICATION NAME: INCOME TAX CALCULATOR

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ACKNOWLEDGEMENT

To begin with, I thank God for enabling me to finish my project “JavaScript Income Tax calculator”

I am also really grateful because I managed to complete my project within time given by my lecturer Mr. Ladwar.

I would also like to express my gratitude to my parents for providing me with the necessary resources for completing my project.

BACKGROUND

Income tax is defined as money charged on individuals or entities in respect of the income or profits earned.

Income tax is got by multiplying the income tax rate by the income.

The taxation rates vary according to the range of income.

For example.

0% between UGX 0 to UGX 235,000

10% between UGX 235,001 to UGX 335,000

20% between UGX 335,001 to UGX 410,000

30% between UGX 410,001 to UGX 10,000,000

40% above UGX 10,000,000

DEVELOPMENT

The text editor used was brackets.

Html code

```
www/index.html (IncomeTaxCalculator) - Brackets
Debug Help

1 |<!doctype html>
2
3 |<html lang="en">
4 |<head>
5 |   <meta name="viewport" content="width=device-width,initial-scale=1.0,maximum-scale=1,user-scalability=0" charset="utf-8" >
6 |
7 |   <title>IncomeTaxCalculator</title>
8 |
9 |   <link rel="stylesheet" type="text/css" href="./css/index.css" media="screen" />
10 |   <link href="https://fonts.googleapis.com/css?family=David+Libre" rel="stylesheet">
11 | </head>
12 |
13 | <body>
14 |
15 |   <header>Income Tax Calculator</header>
16 |
17 |   <section>
18 |     <label>Enter income:</label>
19 |     <br><br>
20 |     <label>UGX </label><input type="text" style="background-color:rgb(204, 196, 241)" id = "income" />
21 |     <br><br>
22 |     <input type="button" value="Calculate" name="calculate" id = "calculate" />
23 |     <br><br>
24 |     <label>Tax Breakdown:</label>
25 |     <br><br>
26 |     <textarea readonly name="text" rows="15" cols="70" wrap="soft" id="tax"></textarea>
27 |   </section>
28 |
29 |   <script src="./js/index.js"></script>
30 | </body>
31 | </html>
32 |
```

Line 1, Column 1 — 32 Lines INS UTF-8 HTML Spaces: 4

JavaScript code

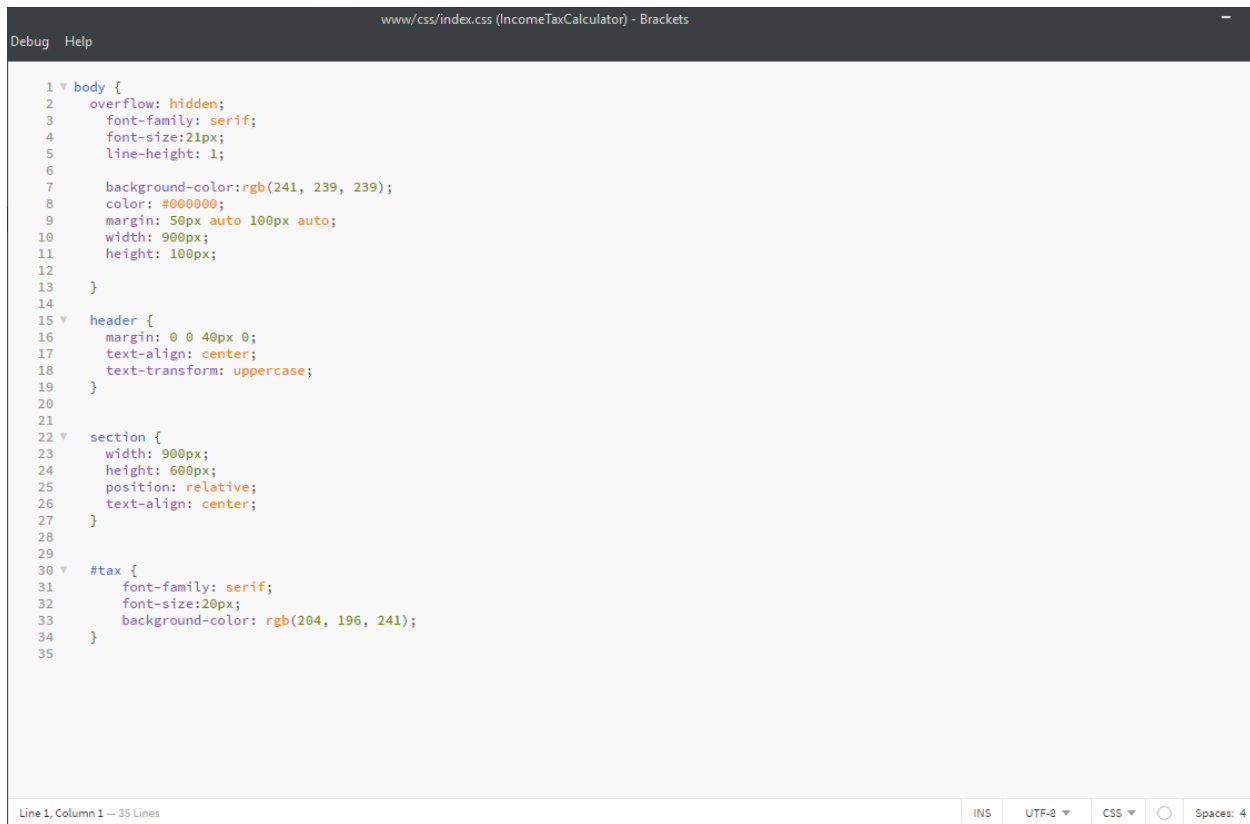
```
www/js/index.js (IncomeTaxCalculator) - Brackets
Debug Help

1 | /*
2 | 0% between UGX 0 to UGX 235,000
3 |
4 | 10% between UGX 235,001 to UGX 335,000
5 |
6 | 20% between UGX 335,001 to UGX 410,000
7 |
8 | 30% between UGX 410,001 to UGX 10,000,000
9 |
10 | 40% above UGX 10,000,000
11 | */
12 |
13 | var calculateTax = function() {
14 |   var income = parseFloat(document.getElementById("income").value);
15 |   document.getElementById("tax").value = calcTaxes(income);
16 |   console.log(tax);
17 |   function calcTaxes(amount){
18 |     var calculate = 0;
19 |     if(amount <=235000){
20 |       tax = (0* amount).toFixed(0);
21 |       taxPrint = "Tax Payable = UGX " + tax;
22 |       salaryaftertax = (income - tax).toFixed(0);
23 |       salaryaftertaxPrint = "\n" + "\n" + "Income After Tax = UGX " + salaryaftertax
24 |       percentagebracket1 = ((amount*0)).toFixed(0);
25 |       percentagebracket2 = (2*5).toFixed(0);
26 |       percentagebracket3 = ((amount*0)+20).toFixed(0);
27 |       percentagebracket4 = ((amount*0)+30).toFixed(0);
28 |       percentagebracket5 = ((amount*0)+40).toFixed(0);
29 |       percentagebracketPrint = "\n" + "\n" + "INCOME TAX RATES" + "\n" + "\n" + percentagebracket1 + '% between UGX 0 to UGX 235,000 ' + "\n"
30 |       + "\n" + percentagebracket2 + '% between UGX 235,001 to UGX 335,000 ' + "\n" + "\n" + percentagebracket3 + '% between UGX 335,001 to UGX 410,000 ' + "\n" + "\n" + percentagebracket4 + '% between UGX 410,001 to UGX 10,000,000 ' + "\n" + "\n" + percentagebracket5 + '% above UGX 10,000,000 ' + "\n";
31 |     }
32 |     else if( amount >235000 && amount <=335000){
33 |       tax = ((10/100)* amount).toFixed(0);
34 |       taxPrint = "Tax Payable = UGX " + tax;
35 |       salaryaftertax = (income - tax).toFixed(0);
36 |       salaryaftertaxPrint = "\n" + "\n" + "Income After Tax = UGX " + salaryaftertax
37 |       percentagebracket1 = ((amount*0)).toFixed(0);
38 |       percentagebracket2 = (2*5).toFixed(0);
39 |       percentagebracket3 = ((amount*0)+20).toFixed(0);
40 |       percentagebracket4 = ((amount*0)+30).toFixed(0);

```

Line 1, Column 1 — 95 Lines INS UTF-8 JavaScript Spaces: 4

CSS code



```
1 body {
2   overflow: hidden;
3   font-family: serif;
4   font-size: 21px;
5   line-height: 1;
6
7   background-color: rgb(241, 239, 239);
8   color: #000000;
9   margin: 50px auto 100px auto;
10  width: 900px;
11  height: 100px;
12 }
13
14
15 header {
16   margin: 0 0 40px 0;
17   text-align: center;
18   text-transform: uppercase;
19 }
20
21
22 section {
23   width: 900px;
24   height: 600px;
25   position: relative;
26   text-align: center;
27 }
28
29
30 #tax {
31   font-family: serif;
32   font-size: 20px;
33   background-color: rgb(204, 196, 241);
34 }
35
```

Line 1, Column 1 — 35 Lines INS UTF-8 CSS Spaces: 4

HOW IT WORKS

The user enters the income in the input box.

The app then calculates the income tax payable by multiplying the income times the tax rate.

The app then displays;

- Tax payable
- The income after subtracting the tax
- The tax rates according to the range of the income.

USER INTERFACE

Before Entering Income

INCOME TAX CALCULATOR

Enter income:

UGX

Calculate

Tax Breakdown:

After entering income

INCOME TAX CALCULATOR

Enter income:

UGX

Calculate

Tax Breakdown:

After calculation

INCOME TAX CALCULATOR

Enter income:

UGX

Tax Breakdown:

Tax Payable = UGX 270000,

Income After Tax = UGX 630000,

INCOME TAX RATES

0% between UGX 0 to UGX 235,000

10% between UGX 235,001 to UGX 335,000

20% between UGX 335,001 to UGX 410,000

30% between UGX 410,001 to UGX 10,000,000

40% above UGX 10,000,000

CONCLUSION

In conclusion, this application will make it easy for the users to know how much income tax they are supposed to pay and how much money they will retain after paying tax. This will lead to easy budgeting and financial planning.