

script.js

```
1  /*
2
3  6. Write a JavaScript function (the function should be Function declaration) called calculateTax that takes an income as an
   argument and returns the amount of tax to be paid. Use a closure to handle different tax rates based on income ranges. Test the
   function with various incomes.
4
5  Dummy Tax rates are given below
6
7
8  Low = 0.1
9
10 Medium = 0.2
11
12 High = 0.3
13
14 */
15
16 function calculateTax(income) {
17
18     const getTaxRate = (
19
20         function () {
21
22             // Tax rates
23
24             const taxRates = {
25
26                 low: 0.1,
27
28                 medium: 0.2,
29
30                 high: 0.3
31             };
32
33             // Return tax rates based on income
34
```

```
35     return function (income) {
36
37         if (income <= 50000) {
38
39             return taxRates.low;
40         }
41
42         else if (income <= 100000) {
43
44             return taxRates.medium;
45         }
46
47         else {
48
49             return taxRates.high;
50         }
51     };
52
53     })();
54
55     // Calculate tax
56
57     const taxRate = getTaxRate(income);
58
59     return income * taxRate;
60 }
61
62 console.log(calculateTax(30000));
63
64 console.log(calculateTax(75000));
65
66 console.log(calculateTax(150000));
```