

Extra 3-3 Develop the Income Tax Calculator

In this exercise, you'll use nested if statements and arithmetic expressions to calculate the income tax that is owed for a taxable income amount. When a user enters his taxable income and clicks the Calculate button, this application will display the federal income tax owed.

This is the 2012 table for the federal income tax on individuals that you should use for calculating the tax:

Taxable income		Income tax	
Over...	But not over...	Of excess over...	
\$0	\$8,700	\$0 plus 10%	\$0
\$8,700	\$35,350	\$870 plus 15%	\$8,700
\$35,350	\$85,650	\$4867 plus 25%	\$35,650
\$85,650	\$178,650	\$17,442 plus 28%	\$85,650
\$178,650	\$388,350	\$43,482 plus 33%	\$178,650
\$388,350		\$112,683 plus 35%	\$388,350

1. Open the HTML and JavaScript files in this folder:
`exercises_extra\ch03\income_tax\`
It has some starting JavaScript code for this application.
2. Write the JavaScript code for calculating and displaying the tax owed for any amount within the first two brackets in the table above. To test that, use income values of 8700 and 35350, which should display taxable amounts of 870 and 4867.
3. If you haven't already provided data validation for the user's entry, test to make sure that it is a positive number before calculating the tax owed. If the entry is invalid, use the alert method to display an appropriate error message.
4. Add the JavaScript code for the next tax bracket. Then, if you have the time, add the JavaScript code for the remaining tax brackets.