Project 2 Report

a)

- It is hard to keep track of the number of curly brackets when multiple “if, else, else if” statements are used

- Takes a lot of brainpower to figure out how to arrange the “if, else , else if” statements. Example: Two different outputs keep coming out when I nested the (occ == “engineer” || “scientist”) function in the ( $5000< taxable income < $120000). I finally figured that I have to separate them using different functions to keep that from happening.

- Took a lot of time to figure out how to keep the tax not go below zero when child tax deductions apply.

b)

- taxable income/number of children is negative (-88000 / -6): test if the error message appears

- no input for name/ occupation ( ) : test if the error message appears

- income is below $50000 ($30000): test if the correct tax formula is applied

- income is between $50000 and $120000 ($70000): test if the correct tax formula is applied and only one output is generated

- income is between $50000 and $120000, and occupation is engineer/scientist ($70000, engineer): test if the correct tax formula is applied and only one output is generated

- income is above $12000: test if the correct tax formula is applied