* **Students do** (5 minutes)
  + Have them write a program that will ask the user for their total income.
  + The program should declare and use a named constant to specify the tax rate of 10%.
  + When income is positive tax will be deducted at the specified rate.
  + There’s no tax for income that isn’t positive.
  + The program will then display: total income, the total amount of tax to be paid and income after taxes have been deducted.
  + **Solution**: tax\_version1.py
* **Students do** (5 minutes)
  + Have them write a program that will ask the user for their highest grade level completed.
  + The program will error check the range (but not type)
  + If the grade level is 13 then the program should display a message indicating the student was schooled in Ontario (where there is a bit of a ‘grade 13’)
  + If the grade level is not between 0 – 13 then the program should display a suitable error message
  + Nothing particular is needed if the user enters a value between 1 – 12 although students can handle this case if they wish.
  + (Note students may not have learned compound Boolean expressions using ‘OR’, ‘AND’ yet so they may check for the lower and upper bound separately as I do in the solution).
  + **Solution**: schooling.py
* **Students do** (5 minutes)
  + **Starting program**: tax\_version1.py
  + Modify the previous program so that there is subsidy of $100 when total income is not positive (this is the tax owed because it’s a “negative tax” or taxes in reverse where the government gives you money).
  + A named constant should be declared (and used) for the subsidy.
  + **Solution**: tax\_version2.py

**TAX\_RATE = 0.1**

**TAX\_SUBSIDY = 100**

**income = float(input("Type in your total income: "))**

**taxOwed = 0**

**incomeAfterTaxes = 0**

**if (income > 0):**

**taxOwed = income \* TAX\_RATE**

**else:**

**taxOwed = TAX\_SUBSIDY**

**incomeAfterTaxes = income - taxOwed**

**print()**

**print("Income$%.0f" %(income))**

**print("<Less: tax>$%.0f" %(taxOwed))**

**print("----------------------")**

**print("Income after taxes $%.0f" %(incomeAfterTaxes))**

**print("======================")**