

LAB 3

1. Write a program to calculate the total cost. For each item prompt the user to enter a quantity and calculate the total cost including taxes (13%).
 - Apples \$1ea
 - Eggs \$0.25ea
 - Bread \$\$2.50ea
 - Meat \$10/lbs
 - Orange Juice \$2/litre
2. Write a Python program that converts from Fahrenheit to Celsius. The programs prompts the user for a temperature in fahrenheit then converts and displays its celsius equivalent upto 2 decimal places.
3. Write a program to calculate the TFSA Contribution Room. The programs prompts asks the user for their birth year and calculates the contribution room accordingly.

If the user was 18 or older in 2009, their TFSA contribution room starts to accumulate each year. If the user turned 18 after 2009, their TFSA contribution room starts in the year they turned 18 and their TFSA contribution room accumulates every year after that year.

- The annual TFSA dollar limit for the years **2009 to 2012** was **\$5,000**.
- The annual TFSA dollar limit for the years **2013** and **2014** was **\$5,500**.
- The annual TFSA dollar limit for the year **2015** was **\$10,000**.
- The annual TFSA dollar limit for the year **2016 to 2018** was **\$5,500**.
- The annual TFSA dollar limit for the years **2019 to 2022** is **\$6,000**.

Example output: You were born in 2000, you turned 18 in 2018, your total contribution limit is \$29500.

Reference: <https://www.canada.ca/en/revenue-agency/services/forms-publications/publications/rc4466/tax-free-savings-account-tfsa-guide-individuals.html>