

Lab #1

Section 1 – Chapter 1

Write a program to show interest on a sample account balance. The formula you will use to calculate interest is $\text{interest} = \text{balance} * (\text{INTEREST_RATE}/100.0)$. You can select any value for your balance and interest rate. Your program will output to the screen:

On a balance of \$

You will earn interest of \$

All in just one short year.

Section 2 – Chapter 2

Write a program that calculates the total number of peas in a grocery bag. The formula you will use to calculate the total number of peas is $\text{totalNumberOfPeas} = \text{numberOfPods} * \text{peasPerPods}$. Your program will input the number of pods and peas per pods from the values entered by user typing on the keyboard. For example the program will output the below text to the screen and will read the two values (number of pods and peas per pods) entered by the user.

Enter the number of pods followed by

the number of peas in a pod:

The program will then calculate the total number of peas from the values read from above and then output below text where ____ is the actual value from above.

_____ pods and

_____ peas per pod.

The total number of peas = _____