1. Python program file—25%: Upload your Python program. Your teacher will evaluate it according to these criteria:
   1. Your program is divided into functions and each function performs one task only.
   2. Your program effectively uses existing Python modules such as math, random, requests, pandas, and tkinter.
   3. Your program performs a significant real world task.
2. Python test file—15%: Upload your Python test file. Your teacher will evaluate it according to these criteria:
   1. Each testable program function is covered (tested) by one test function. (Some functions, especially main and those that create GUIs are difficult to test and don't need to have a corresponding test function.)
   2. Each test function completely exercises (tests) its corresponding program function. In other words, the test function calls the program function multiple times with different arguments, including unusual or unexpected values.

Write a program that takes input from user for **End Date** that they want to find out gross margin for from set of data you are using and then returns a calculated gross margin for that date to the user. Make sure to use python modules such as Math, Random, request, pandas, tkinder as much as possible. Hnt: You could use math modules while calculating your total sales, total costs, gross profit and gross margin. A test function is must, review no. 2 above.

If [Inv Container Type] = "Honey Bear" THEN ([Inv Selling Price]\*(1.56\*[Sale Inv Qty]))

- ([Inv Cost]\*(1.56\* [Sale Inv Qty]))

ELSE

(([Inv Selling Price]\*[Sale Inv Qty]) - ([Inv Cost]\* [Sale Inv Qty]))

END