

Spring 2023  
Midterm Exam - Review  
Hands-On Programming

1. Write a program that request all visitors of a travel website to enter the following information:
  - Name
  - Address, with city, state and zip
  - Telephone number
  - Email address
2. Write a program with a loop that asks the user to enter a series of positive numbers. The user should enter a negative number to signal the end of the series. After all the positive numbers have been entered, the program should display their sum.
3. Write a program that calculates the total amount of a meal purchased at a restaurant. The program should ask the user to enter the charge for the food, then calculate the amounts of an 18 percent tip and 7 percent sales tax. Display each of these amounts and the total.
4. Running on a particular treadmill you burn 4.2 calories per minute. Write a program that uses a loop to display the number of calories burned after 10,15, 20, 25, and 30 minutes.
5. Write a program that asks the user to enter five test scores. The program should display a letter grade for each score and the average test score. Write the following functions in the program:
  - `calc_average` – This function should accept five test scores as arguments and return the average of the scores.
  - `determine_grade` – This function should accept a test score as an argument and return a letter grade for the score based on the following grading scale:

Score	Letter Grade
90-100	A
80-89	B
70-79	C
60-69	D
Below 60	F