

BIOL5516 – Assignment 4

Due date: November 23

1. Write a program that reads in the data from “datafile1.txt”, which gives the test scores for 10 students in BIOL5516. Calculate the mean test score; make sure that your calculations for finding the mean are contained in a function that you’ve written.
2. Now consider “datafile2.txt”, which gives names, test scores, and Space Invader scores for the 10 students, separated by tabs. Read in the data and calculate the mean test score and the mean Space Invader score. Plot test scores by Space Invader scores. Do you notice anything?
3. Now write a program that can report back the data from “datafile2.txt”. Your program should read the data into a dictionary, and then prompt the user for a student name. The program should report back the test score and Space Invader score for the student. Remember to check for errors.
4. Write a program that finds the names of all of the files and directories within your current directory, and then reports back the length of each file or directory name.