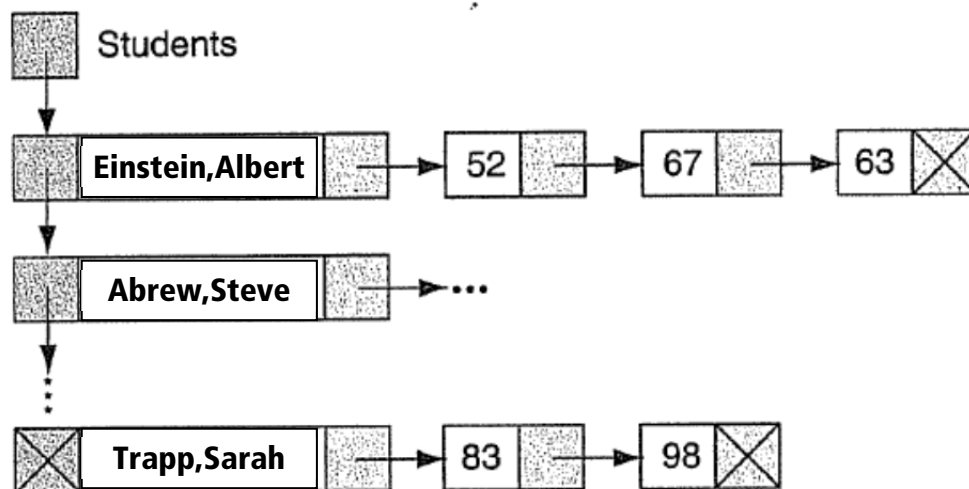# LINKED LISTS

(Based on Projects 4.26 and 4.27)

Write a program to read a list of students from the file `student_data_x.txt` and create a list. The program must use a linked list for implementation. Each node in the linked list should have the student's name, a pointer to the next student, and a pointer to a linked list of scores. There may be up to four scores for each student. The stucture is shown below.

The program should initialize the student list by reading the students' names from the text file – and inserting them into the student list in student name sequence – and creating null score lists. It should then loop through the list, prompting the user to enter the scores for each student. The scores' prompt should include the name of the student.

After all scores have been entered, the program should print the scores for each student along with the score total and the average score. The average should include only those scores present.