Pseudo code of problem 12 A

1. Initialize variables i, j, k, stars, diff, diff_1, diff_2, day_swamp, month_swamp, importance_swamp, kind_swamp, temp_event[150], temp_2[150], year, year_2, year_3, month[50], importance[50], day[50], kind[50], and events[150][150].
2. Input the value of the year.
3. Use a while loop to input the date and its importance.
4. If the entered character is not '#', then input day, month, importance, and events. If it is 'D', then only input day and month.
5. If the entered character is '#', then exit the loop.
6. Get the date of today to the beginning of the array.
7. Use a for loop to sort dates using Unix timestamp format.
8. Use nested for loops to compare the difference between each date and today's date, and swap the elements if necessary.
9. Print today's date.
10. Use a for loop to print dates, the number of stars, and events.
11. Calculate the difference between each date and today's date and print the information based on the value of the difference and the importance of the event.
12. End the program.