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import java.io.File;
import java.util.Scanner;

public class Pro3 {
    public static void main(String[] args) {
        double totalAssistant = 0, totalAssociate = 0, totalFull = 0;
        int countAssistant = 0, countAssociate = 0, countFull = 0;
        try (Scanner scan = new Scanner(new File("Salary.txt"))) {
            while (scan.hasNextLine()) {
                String[] data = scan.nextLine().split(" ");
                if (data[2].equals("assistant")) {
                    countAssistant++;
                    totalAssistant += Double.parseDouble(data[3]);
                } else if (data[2].equals("associate")) {
                    countAssociate++;
                    totalAssociate += Double.parseDouble(data[3]);
                } else {
                    countFull++;
                    totalFull += Double.parseDouble(data[3]);
                }
            }
        } catch (Exception e) {
            System.out.println(e);
        }

        System.out.printf("Total salary for assistant professor is %,.2f\n",totalAssistant);
        System.out.printf("Total salary for associate professor is %,.2f\n",totalAssociate);
        System.out.printf("Total salary for full professor is %,.2f\n",totalFull);
        System.out.printf("Total salary for all professors is %,.2f\n",totalAssistant+totalAssociate+totalFull);
        System.out.println("-----");

        System.out.printf("Average salary for assistant professor is %,.2f\n",totalAssistant/countAssistant);
        System.out.printf("Average salary for associate professor is %,.2f\n",totalAssociate/countAssociate);
        System.out.printf("Average salary for full professor is %,.2f\n",totalFull/countFull);
        System.out.printf("Average salary for all professors is %,.2f\n",
            (totalAssistant+totalAssociate+totalFull)/(countAssistant+ countAssociate + countFull));
    }
}

```