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package labs.lab9.pro2;

import java.io.BufferedWriter;
import java.io.FileWriter;
import java.io.IOException;
import java.util.ArrayList;
import java.util.Random;

public class Lab9_Pro2_64010009 {
    public static void main(String[] args) {
        Random random = new Random();
        ArrayList<String> ranks = new ArrayList<>();
        ranks.add("assistant");
        ranks.add("associate");
        ranks.add("full");

        try {
            BufferedWriter writer = new BufferedWriter(new FileWriter("Salary.txt"));

            for (int i = 1; i ≤ 1000; i++) {
                String rank = ranks.get(random.nextInt(0, 3));
                double salary;
                if (rank.equals("assistant")) {
                    salary = Math.round(random.nextDouble(50000, 80000) * 100.0) / 100.0;
                } else if (rank.equals("associate")) {
                    salary = Math.round(random.nextDouble(60000, 110000) * 100.0) / 100.0;
                } else {
                    salary = Math.round(random.nextDouble(75000, 130000) * 100.0) / 100.0;
                }
                writer.append("FirstName").append(String.valueOf(i)).append(" ");
                writer.append("Lastname").append(String.valueOf(i)).append(" ");
                writer.append(rank).append(" ");
                writer.append(String.valueOf(salary));
                if (i ≠ 1000) writer.append("\n");
            }
            writer.close();
            System.out.println("Successfully write to file");
        } catch (IOException e) {
            System.out.println("ERROR: cannot process file (" + e.getMessage() + ")");
        }
    }
}

```