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| **Problem Statement:**  Create a LinkedList, L <T> where T represents the type of the entity. Assume T be an Employee type. Apply increment for the employee whose year of experience is above 2yrs with 5% and for employee with more than 3yrs with 10% hike.  For this problem you have to perform the following tasks:  **SubTask 1**: Create a ***generic class*** as ***Employee*** with emp\_id, name, salary and experience as its properties.  **SubTask2**: Create a List, ***L*** of type ***Employee***.  **SubTask3**: Populate your collection ***L*** with ***N*** number of employees i.e. (an array of employee objects)  **SubTask4**: Use ***stream*** to perform:   1. ignore the employee without ***emp\_id(*** *Hint: check for not null)* 2. ***filter***the employee based on experience 3. apply***map***for salary hike 4. ***collect***the updated employee in new List*.*   **SubTask7**: Calculate and display the **sum of salary** from the updated List using ***summingDouble***.  **Note:**  1. Do not remove the predefined code else your code may not execute as expected.  2. You’ve to solve the problem using **generic class, List collection,** **stream and iterator**. Skipping the concept may lead to disqualification. |
| **Input & Output Format:**  **Input Format**  The first line of input contains a single integer **N** denoting the number of objects.  The subsequent **N** lines contain an integer denoting emp*\_id.*  The subsequent **N** lines contain a string denoting *name.*  The subsequent **N** lines contain a double denoting *salary.*  The subsequent **N** lines contain a integer denoting experience in years*.*  **Output Format**  Print the sum of total salary of all the employees in the updated list. |
| **Sample Input :**  **3**  **1**  **2**  **3**  **Albert**  **John**  **David**  **10000.00**  **20000.00**  **25000.00**  **2**  **3**  **4**  **Sample Output:**  **TotalSalary:60000**  **Explanation: (10000+5%)+(20000+25000+10%)=10500+22000+27500=60000** |
| **Test Case 1 :**  2  1  Null  Ram  Brito  4000.00  30000.00  5  3  **TotalSalary:4400.00**  **Explanation:** emp\_id of second person is null. According to subTask4(i) the object is ognored.  **Test Case 2 :**  2  101  102  Jack  Dennis  12000.00  24000.00  4  1  **TotalSalary:**13200  **Test case 3:**  1  103  Thomas  40000.00  2  **TotalSalary:**42000.00  **Test case 4:**  3  111  112  113  Fernando  Michel  Roselin  35000.00  40000.00  20000.00  1  2  3  **TotalSalary:64000.00**  **Test case 5:**  **2**  **Null**  **Null**  **Alex**  **Maritus**  **5000.00**  **6000.00**  **10**  **8**  **TotalSalary:0.0** |