**Name**: Brandon Mountan

Fill the following table with your solution:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Executable size without using –g :** 189432 bytes | | | | **Why? The -g flag includes additional debugging information in the executable** | |
| **Executable size when using –g :** 239224 bytes | | | |
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|  | | | | | |
| **Bug #** | **Details** | | | **Proposed solution** | |
| File, line | Function name | Description | Description | Modified code |
| **1** | Department.cpp, 57 | CalculateMaxSalary | Extra line of code in SOFTWAREARCHITECTS case | Remove line of code | *if* (SoftwareArchitects->at(i).getSalary()>max)  {  max = SoftwareArchitects->at(i).getSalary();  } } *break*; |
| **2** | Department.cpp, 76, 82 | CalculateAverageSalary | Incorrect calculation | Change sum= to sum += | sum += Employees->at(i).getSalary();  sum += Programmers->at(i).getSalary(); |
| **3** | employee.h, 30 programmerClass.h, 21 softwarearchitectClass.h, 22 | Print() | The print method of the employee class is being used for every object (programmer)(SA) | Add virtual keyword and override keywords to print methods | *virtual void* print();  *void* print() *override*;  *void* print() *override*; |

Add rows when necessary.