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Fill the following table with your solution:

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| --- | --- | --- | --- | --- | --- |
| **Executable size without using –g :** 194728 bytes | | | | **Why?**  When compiling without the -g flag, the compiler optimizes the code and removes any unnecessary information, resulting in a smaller executable size.  On the other hand, when compiling with the -g flag, additional debugging information is included in the executable. | |
| **Executable size when using –g :** 247064 bytes | | | |
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| **Bug #** | **Details** | | | **Proposed solution** | |
| File, line | Function name | Description | Description | Modified code |
| **1** | Department.cpp, 59 | CalculateMaxSalary | This line overrides the actual max salary for software architects.  Max is currently set to the salary of the last SoftwareArchitect in the loop. This means that the function will not correctly find the maximum salary for software architects. | Remove this line so that we get the actual maximum salary by comparing it with max. | if (SoftwareArchitects->at(i).getSalary()>max)  {  max = SoftwareArchitects->at(i).getSalary();  }  //Bug-1: We must remove the following line to get the correct max salary for the software architects!!!    // max = SoftwareArchitects->at(i).getSalary(); |
| **2** | Department.cpp, 79 | CalculateAverageSalary | This is not summing up the salaries together. It overwrites the sum with the salary of each employee in each iteration. | We have to add + so that it adds each salary together (cumulative) and at the end give us the correct average salary | //Bug-2: Add + here  sum += Employees->at(i).getSalary(); |
| **3** | employeeClass.h ,31 | Print() | The print method is not working because the subclasses do not know whether to override it or what. | We have to add virtual so that the subclasses can override this method. | virtual void print(); |

Add rows when necessary.