**Name**: \_\_\_\_\_\_\_\_\_Xiyao Xu\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Fill the following table with your solution:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Executable size without using –g :** -194728---------------- | | | | **Why?** **-g option: This option tells the compiler to include verbose debugging information in the binary. This information is used during debugging to make it easier to trace program execution, examine variable values, etc. Including this additional information significantly increases the size of the resulting binary.** | |
| **Executable size when using –g :** ---247048------------ | | | |
|  | | | | | |
|  | | | | | |
| **Bug #** | **Details** | | | **Proposed solution** | |
| File, line | Function name | Description | Description | Modified code |
| **1** | Department.cpp 57 | double Department::calculatellaxsalary(staffTypes type) | Highest Salary output wrong | Fix Highest Salary | delete |
| **2** | Department.cpp 77 | int Department::calculateAyeragesalary(staffrypes type) | Employee salary worong | Corrected Employee salary | sum += Employees->at(i).getSalary() |
| **3** | Department.cpp 83 | int Department::calculateAyeragesalary(staffrypes type) | Programmer salary worong | Corrected Employee salary | sum += Programmers->at(i).getSalary() |
| **4** | Employee.cpp 16 | Employee:: Employee |  | Logic to get id | if(id >0)  ID = id;  else  ID = 0; |

Add rows when necessary.