

Name: \_\_\_\_\_Tina Chen\_\_\_\_\_

Fill the following table with your solution:

<b>Executable size without using -g : -----</b>	<b>Why?</b> The latter conations debug information so the executable is bigger, and the .dSYM is to store debugging symbols.
<b>Executable size when using -g :</b> the size of the program becomes bigger and gets one more file: program.dSYM	

Bug #	Details			Proposed solution	
	File, line	Function name	Description	Description	Modified code
1	employeeClass.cpp:12	Employee()	ID should be set to non-0, while id is greater than 0.	Change the logic of the if statement to the following.	<pre>if (id &lt; 0)     ID = 0;</pre>
2	Department.cpp:20	Department(string N, int id)	ID should be set to 0, while id is less than 0.	Change the logic of the conditional operator to the following.	<pre>(id &lt; 0) ? ID = -1 : ID = id;</pre>
3	Department.cpp:57	Department::CalculateMaxSalary(StaffTypes type)	After if statement which already determine the max, it reassign the value of max.	Delete the line	<pre><del>max =</del> SoftwareArchitects- &gt;at(i).getSalary();</pre>
	Department.cpp:77 & Department.cpp:83	Department::CalculateAverageSalary(StaffTypes type)	When calculating the sum, it reassigns the employee' s salary every time in the for loop.	Change the logic of assigning the sum to pulsing all the employees' salaries together.	<pre>sum += Programmers- &gt;at(i).getSalary();</pre>

Add rows when necessary.