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COSC 220

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Lab 8 writeup

Hierarchy Chart (Rough draft I before UML diagram)

\*UML does not contain getters and setters due to repetitiveness it is unnecessary

|  |
| --- |
| **Employee** |
| -firstname:String  -lastname:String  -basesalary:double  -jobTitle:String |
| +CalculateSalary():double  +displaybaseSalary():void  +displayJobTitle():void  +displayInfo():void |

|  |
| --- |
| **Technical Staff** |
| -profitShare:double |
| +CalculateSalary():double  +displayProfitShare():void  +displayJobTitle():void  +displayInfo():void |

|  |
| --- |
| **Manager** |
| -bonus:double |
| +CalculateSalary():double  +displayBonus():void  +displayInfo():void |

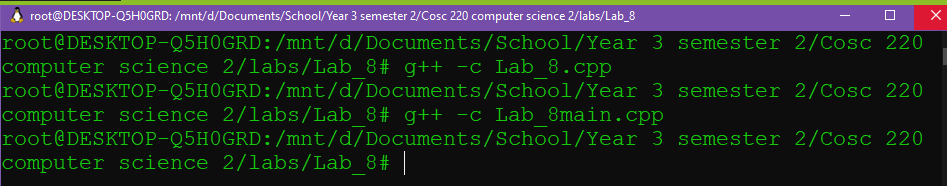
|  |
| --- |
| **Software Engineer** |
| -Overtime:String |
| +CalculateSalary():double  +displayOvertime():void  +displayInfo():void |

|  |
| --- |
| **Executive** |
| -stockShare:float |
| +CalculateSalary():double  +displayStockOption():void  +displayInfo():void |

|  |
| --- |
| **Test Engineer** |
| +CalculateSalary():double  +displayInfo():void |

Output and Testing

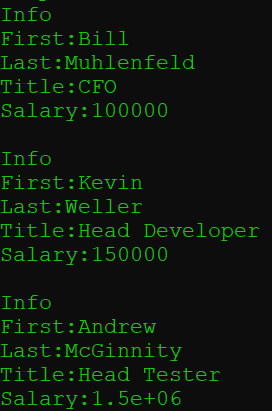
Linking process



Make program file

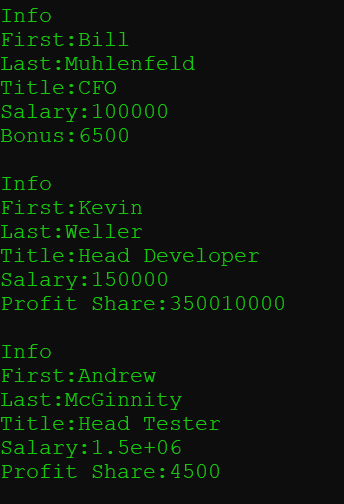


The first set of output



This displays only the base class print functions

Second set of output



The second set of output is the print function from the derived class which includes bonus and profit share