Cole Nusser Lab 2 COSC 330 9/16/2022

OUTPUT FOR empList[i].displayInformation();

First Name: John, Last Name: Doe Base Salary: 100000.0 dollars

Job Title: Executive Bonus Payment: 500.0 Stock Option: 200.0

First Name: Bill, Last Name: Smith Base Salary: 75000.0 dollars Job Title: Software Engineer

Profit Share: 200.0 overtime pay: 50.0

First Name: Tom, Last Name: Jones

Base Salary: 20000.0 dollars Job Title: Test Engineer Profit Share: 20.0

Prediction for the output for emp0.displayInformation();

I predict that the output for this will be the same as the output above.

First Name: John, Last Name: Doe Base Salary: 100000.0 dollars

Job Title: Executive Bonus Payment: 500.0 Stock Option: 200.0

First Name: Bill, Last Name: Smith

Base Salary: 75000.0 dollars Job Title: Software Engineer

Profit Share: 200.0 overtime pay: 50.0

First Name: Tom, Last Name: Jones

Base Salary: 20000.0 dollars Job Title: Test Engineer

Profit Share: 20.0

output for emp0.displayInformation();

First Name: John, Last Name: Doe Base Salary: 100000.0 dollars

Job Title: Executive Bonus Payment: 500.0 Stock Option: 200.0

First Name: Bill, Last Name: Smith

Base Salary: 75000.0 dollars
Job Title: Software Engineer

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Base Salary: 20000.0 dollars Job Title: Test Engineer

Profit Share: 20.0

Question Answer: The outputs had no difference with each other. Even Though the array was an array of Employee objects, the subclass objects (Executive, Software Engineer and Test Engineer) could be used as reference objects for the array. This is because the subclass can be used as an object of a superclass due to dynamic binding.

Screenshot of output:

