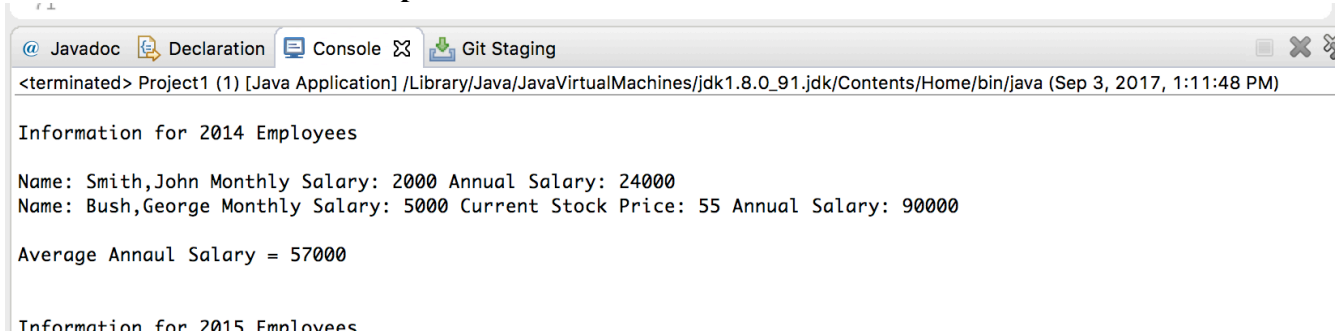


Nicole Donnelly  
CMIS 242  
Project 1  
September 3, 2017

## Screenshot – Successful Compilation



```
@ Javadoc Declaration Console Git Staging
<terminated> Project1 (1) [Java Application] /Library/Java/JavaVirtualMachines/jdk1.8.0_91.jdk/Contents/Home/bin/java (Sep 3, 2017, 1:11:48 PM)

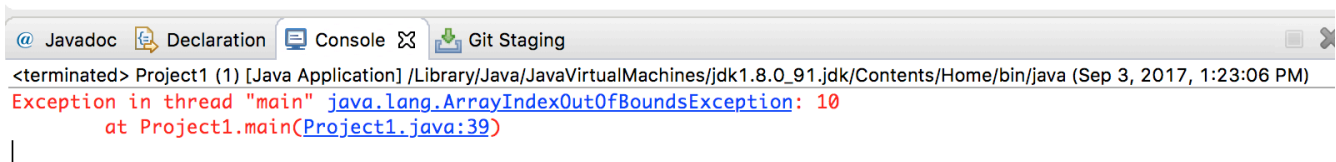
Information for 2014 Employees

Name: Smith,John Monthly Salary: 2000 Annual Salary: 24000
Name: Bush,George Monthly Salary: 5000 Current Stock Price: 55 Annual Salary: 90000

Average Annual Salary = 57000

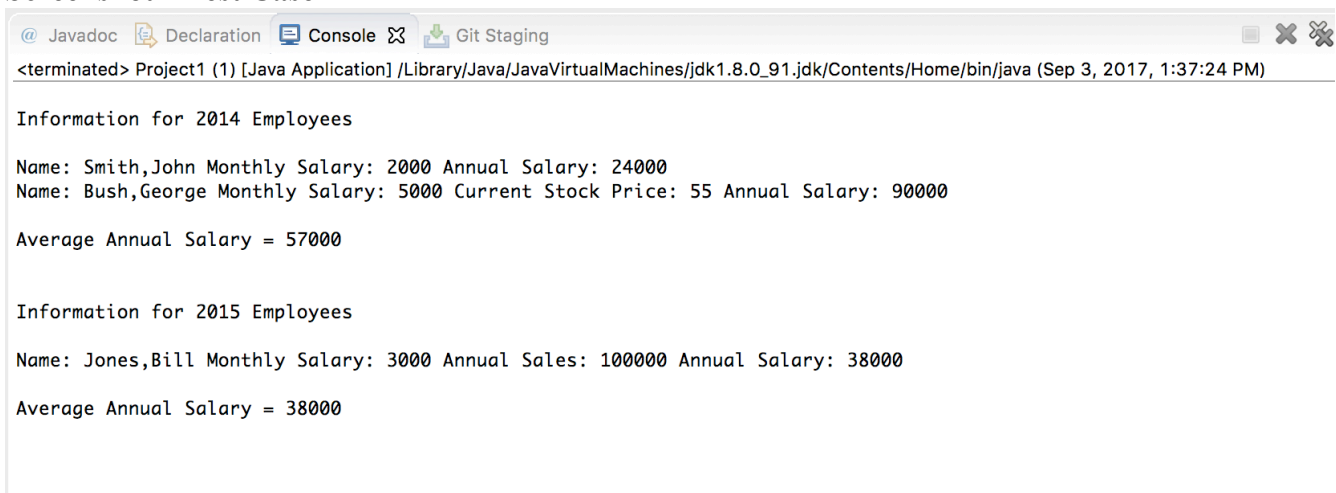
Information for 2015 Employees
```

## Screenshot – Test Case 1



```
@ Javadoc Declaration Console Git Staging
<terminated> Project1 (1) [Java Application] /Library/Java/JavaVirtualMachines/jdk1.8.0_91.jdk/Contents/Home/bin/java (Sep 3, 2017, 1:23:06 PM)
Exception in thread "main" java.lang.ArrayIndexOutOfBoundsException: 10
    at Project1.main(Project1.java:39)
```

## Screenshot – Test Case 2



```
@ Javadoc Declaration Console Git Staging
<terminated> Project1 (1) [Java Application] /Library/Java/JavaVirtualMachines/jdk1.8.0_91.jdk/Contents/Home/bin/java (Sep 3, 2017, 1:37:24 PM)

Information for 2014 Employees

Name: Smith,John Monthly Salary: 2000 Annual Salary: 24000
Name: Bush,George Monthly Salary: 5000 Current Stock Price: 55 Annual Salary: 90000

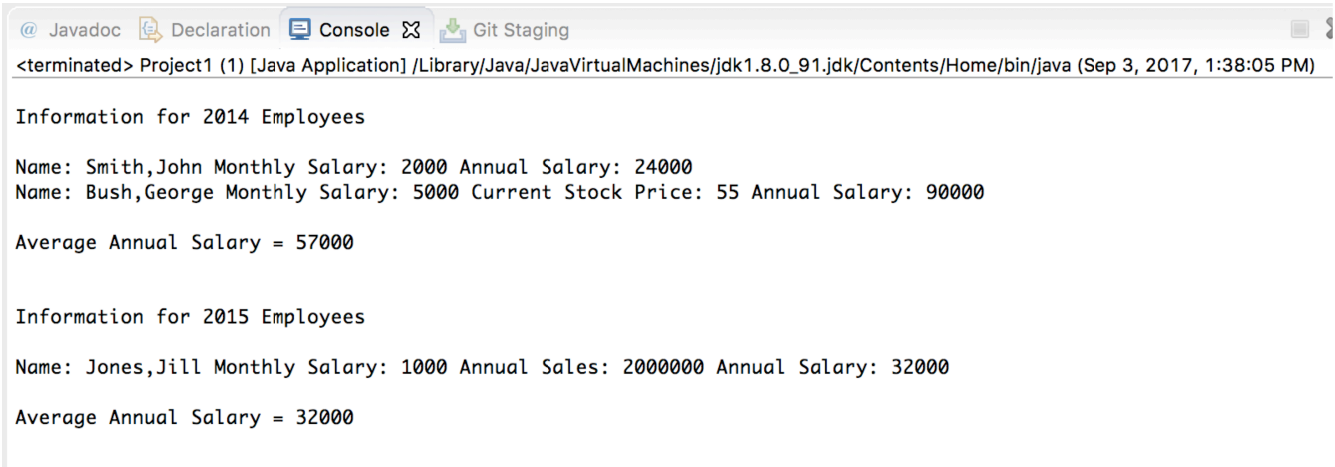
Average Annual Salary = 57000

Information for 2015 Employees

Name: Jones,Bill Monthly Salary: 3000 Annual Sales: 100000 Annual Salary: 38000

Average Annual Salary = 38000
```

## Screenshot – Test Case 3



The screenshot shows an IDE console window with tabs for Javadoc, Declaration, Console, and Git Staging. The console output displays the results of a Java application. It starts with a header line indicating the project and the Java version. The output is divided into two sections: 'Information for 2014 Employees' and 'Information for 2015 Employees'. Each section lists employee names, their monthly salaries, annual salaries, and current stock prices. The average annual salary for each group is calculated and displayed at the end of each section.

```
<terminated> Project1 (1) [Java Application] /Library/Java/JavaVirtualMachines/jdk1.8.0_91.jdk/Contents/Home/bin/java (Sep 3, 2017, 1:38:05 PM)

Information for 2014 Employees

Name: Smith,John Monthly Salary: 2000 Annual Salary: 24000
Name: Bush,George Monthly Salary: 5000 Current Stock Price: 55 Annual Salary: 90000

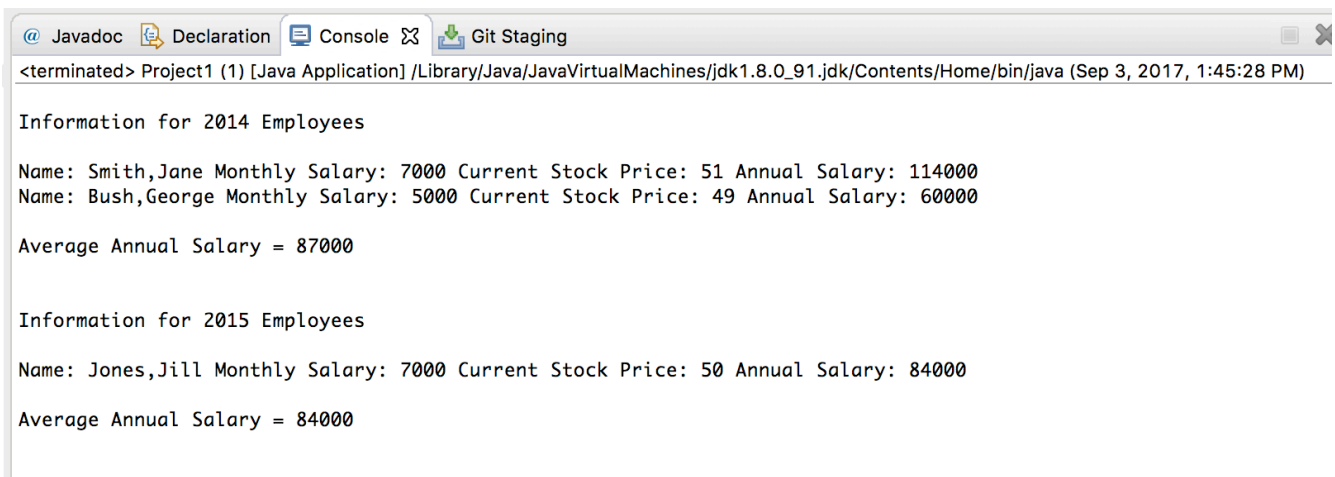
Average Annual Salary = 57000

Information for 2015 Employees

Name: Jones,Jill Monthly Salary: 1000 Annual Sales: 2000000 Annual Salary: 32000

Average Annual Salary = 32000
```

## Screenshot – Test Case 4



The screenshot shows an IDE console window with tabs for Javadoc, Declaration, Console, and Git Staging. The console output displays the results of a Java application. It starts with a header line indicating the project and the Java version. The output is divided into two sections: 'Information for 2014 Employees' and 'Information for 2015 Employees'. Each section lists employee names, their monthly salaries, current stock prices, and annual salaries. The average annual salary for each group is calculated and displayed at the end of each section.

```
<terminated> Project1 (1) [Java Application] /Library/Java/JavaVirtualMachines/jdk1.8.0_91.jdk/Contents/Home/bin/java (Sep 3, 2017, 1:45:28 PM)

Information for 2014 Employees

Name: Smith,Jane Monthly Salary: 7000 Current Stock Price: 51 Annual Salary: 114000
Name: Bush,George Monthly Salary: 5000 Current Stock Price: 49 Annual Salary: 60000

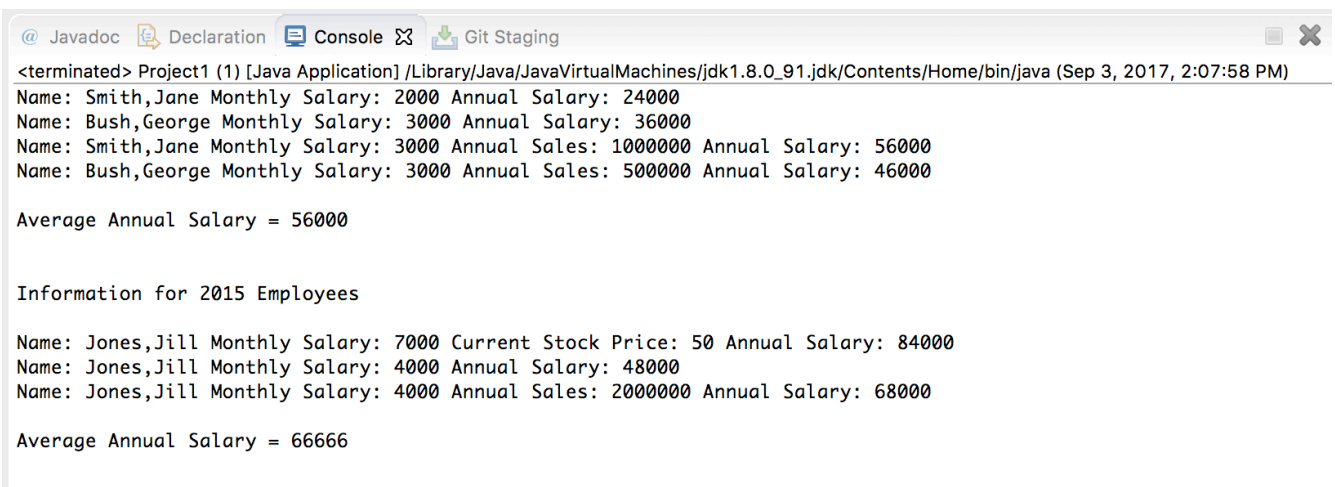
Average Annual Salary = 87000

Information for 2015 Employees

Name: Jones,Jill Monthly Salary: 7000 Current Stock Price: 50 Annual Salary: 84000

Average Annual Salary = 84000
```

## Screenshot – Test Case 5



The screenshot shows an IDE console window with tabs for Javadoc, Declaration, Console, and Git Staging. The console output displays the results of a Java application. It starts with a header line indicating the project and the Java version. The output is divided into two sections: 'Information for 2014 Employees' and 'Information for 2015 Employees'. Each section lists employee names, their monthly salaries, annual salaries, and annual sales. The average annual salary for each group is calculated and displayed at the end of each section.

```
<terminated> Project1 (1) [Java Application] /Library/Java/JavaVirtualMachines/jdk1.8.0_91.jdk/Contents/Home/bin/java (Sep 3, 2017, 2:07:58 PM)
Name: Smith,Jane Monthly Salary: 2000 Annual Salary: 24000
Name: Bush,George Monthly Salary: 3000 Annual Salary: 36000
Name: Smith,Jane Monthly Salary: 3000 Annual Sales: 1000000 Annual Salary: 56000
Name: Bush,George Monthly Salary: 3000 Annual Sales: 500000 Annual Salary: 46000

Average Annual Salary = 56000

Information for 2015 Employees

Name: Jones,Jill Monthly Salary: 7000 Current Stock Price: 50 Annual Salary: 84000
Name: Jones,Jill Monthly Salary: 4000 Annual Salary: 48000
Name: Jones,Jill Monthly Salary: 4000 Annual Sales: 2000000 Annual Salary: 68000

Average Annual Salary = 66666
```

Test Case	Expected Output	Actual Output	Pass?
1. employee.txt files has more than 10 items for 2014	Array Out of Bounds exception	Exception in thread "main" <a href="#">java.lang.ArrayIndexOutOfBoundsException: 10</a> at Project1.main( <a href="#">Project1.java:39</a> )	Yes
2. Verify annual salary computes correctly for each class (employee, executive, salesperson) and average annual salary is accurate for following input: 2014 Employee Smith,John 2000 2015 Salesman Jones,Bill 3000 100000 2014 Executive Bush,George 5000 55	Information for 2014 Employees Name: Smith,John Monthly Salary: 2000 Annual Salary: 24000 Name: Bush,George Monthly Salary: 5000 Current Stock Price: 55 Annual Salary: 90000 Average Annual Salary = 57000  Information for 2015 Employees Name: Jones,Bill Monthly Salary: 3000 Annual Sales: 100000 Annual Salary: 38000 Average Annual Salary = 38000	Information for 2014 Employees  Name: Smith,John Monthly Salary: 2000 Annual Salary: 24000 Name: Bush,George Monthly Salary: 5000 Current Stock Price: 55 Annual Salary: 90000  Average Annual Salary = 57000  Information for 2015 Employees  Name: Jones,Bill Monthly Salary: 3000 Annual Sales: 100000 Annual Salary: 38000  Average Annual Salary = 38000	Yes
3. Salesperson with a monthly salary of 1000 and annual sales of 2,000,000 will earn 32,000 (instead of 72,000) b/c of maximum commission amount	Name: Jones, Jill Monthly Salary: 1000 Annual Sales: 2000000 Annual Salary: 32000	Name: Jones,Jill Monthly Salary: 1000 Annual Sales: 2000000 Annual Salary: 32000	Yes
4. Executive annual salary computes properly based on different stock prices of 49 (no bonus), 50 (no bonus), and 51(bonus)	Name: Smith,Jane Monthly Salary: 7000 Current Stock Price: 51 Annual Salary: 114000 Name: Jones,Jill Monthly Salary: 7000 Current Stock	Information for 2014 Employees  Name: Smith,Jane Monthly Salary: 7000 Current Stock	Yes

	Price: 50 Annual Salary: 84000 Name: Bush,George Monthly Salary: 5000 Current Stock Price: 49 Annual Salary: 60000	Price: 51 Annual Salary: 114000 Name: Bush,George Monthly Salary: 5000 Current Stock Price: 49 Annual Salary: 60000  Average Annual Salary = 87000  Information for 2015 Employees  Name: Jones,Jill Monthly Salary: 7000 Current Stock Price: 50 Annual Salary: 84000  Average Annual Salary = 84000	
5. Annual average salary computed properly for multiple employees in each year for following input: 2014 Executive Smith,Jane 7000 51 2015 Executive Jones,Jill 7000 50 2014 Executive Bush,George 5000 49 2014 Employee Smith,Jane 2000 2015 Employee Jones,Jill 4000 2014 Employee Bush,George 3000 2014 Salesman Smith,Jane 3000 1000000 2015 Salesman Jones,Jill 4000 2000000 2014 Salesman Bush,George 3000 500000	2014 Annual Average Salary: 56000  2015 Annual Average Salary: 66666	Name: Smith,Jane Monthly Salary: 2000 Annual Salary: 24000 Name: Bush,George Monthly Salary: 3000 Annual Salary: 36000 Name: Smith,Jane Monthly Salary: 3000 Annual Sales: 1000000 Annual Salary: 56000 Name: Bush,George Monthly Salary: 3000 Annual Sales: 500000 Annual Salary: 46000  Average Annual Salary = 56000  Information for 2015 Employees  Name: Jones,Jill Monthly Salary: 7000 Current Stock Price: 50 Annual Salary: 84000	Yes

		<p>Name: Jones,Jill Monthly Salary: 4000 Annual Salary: 48000</p> <p>Name: Jones,Jill Monthly Salary: 4000 Annual Sales: 2000000 Annual Salary: 68000</p> <p>Average Annual Salary = 66666</p>	
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