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Assessment Task (AT 2.2)

Jupiter Mining Corporation

Contents

[Figures 2](#_Toc81139729)

[Debugging 3](#_Toc81139730)

[Testing 5](#_Toc81139731)

[References 11](#_Toc81139732)

Tables

[Table 1: Testing results 5](#_Toc80270967)

# Figures

[Figure 1 – Showing method: totalValue() working - A 3](#_Toc81139707)

[Figure 2 – Showing method: totalValue() working - B 4](#_Toc81139708)

[Figure 3 - Console program output - A 6](#_Toc81139709)

[Figure 4 – Console program output - B 7](#_Toc81139710)

[Figure 5 – Console program output - C 8](#_Toc81139711)

[Figure 6 – Search results 9](#_Toc81139712)

[Figure 7 – Remove a part 9](#_Toc81139713)

[Figure 8 - Add the part back in 9](#_Toc81139714)

[Figure 9 – Try to add it again 9](#_Toc81139715)

[Figure 10 – Testing totalValue() method 10](#_Toc81139716)

[Figure 11 – Testing retailPrice() method 10](#_Toc81139717)

# Debugging

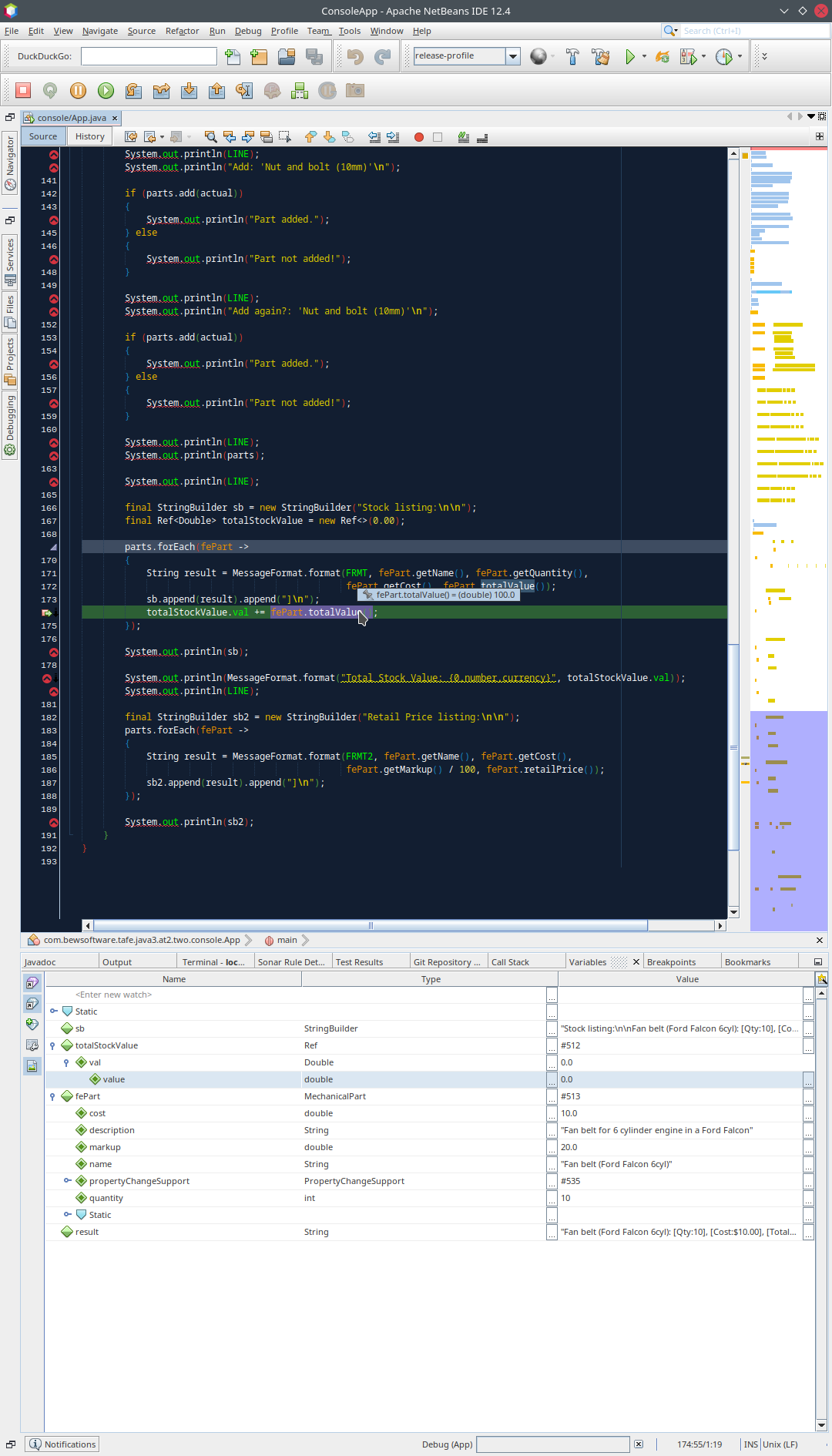


Figure 1 – Showing method: totalValue() working - A

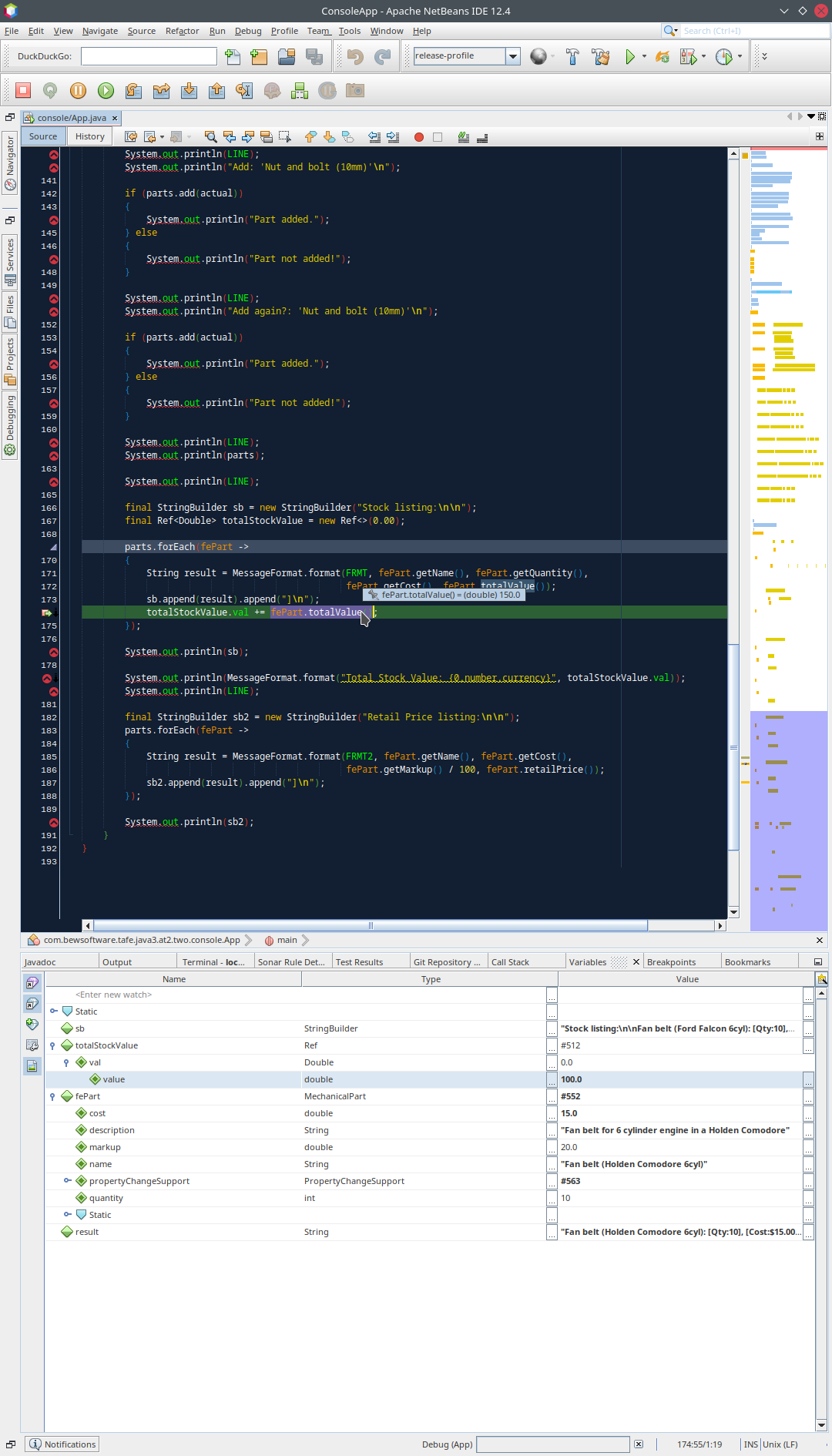


Figure 2 – Showing method: totalValue() working - B

# Testing

Table : Testing results

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Case | Description | Expected | Actual | Evidence |
| #1 | Run the console program | Display program output showing the results of the various functions being tested | As expected | Figure 3  Figure 4  Figure 5 |
| #2 | Search for a part | Console output showing details of part | As Expected | Figure 6 |
| #3 | Remove a part | Console output showing results, including subsequent follow-up search for that part | As expected | Figure 7 |
| #4 | Add the part back in | Console output showing successful result | As expected | Figure 8 |
| #5 | Try to add it a second time | Console output showing an unsuccessful result | As expected | Figure 9 |
| #6 | Test the totalValue() method of the MechanicalPart class | Console output showing the results from all the items | As expected | Figure 10 |
| #7 | Test the retailPrice() method of the MechanicalPart class | Console output showing the results from all the items | As expected | Figure 11 |

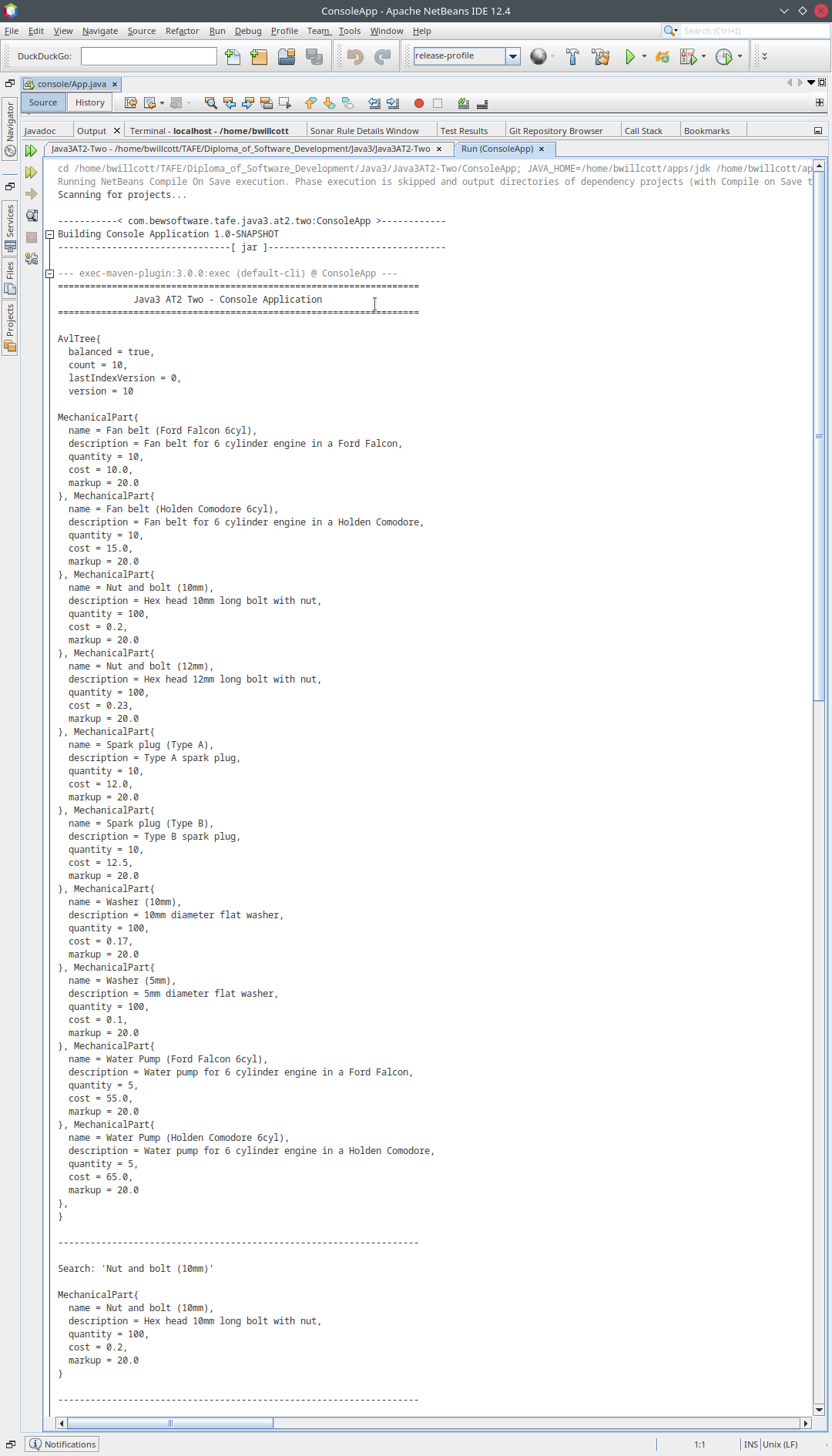


Figure 3 - Console program output - A

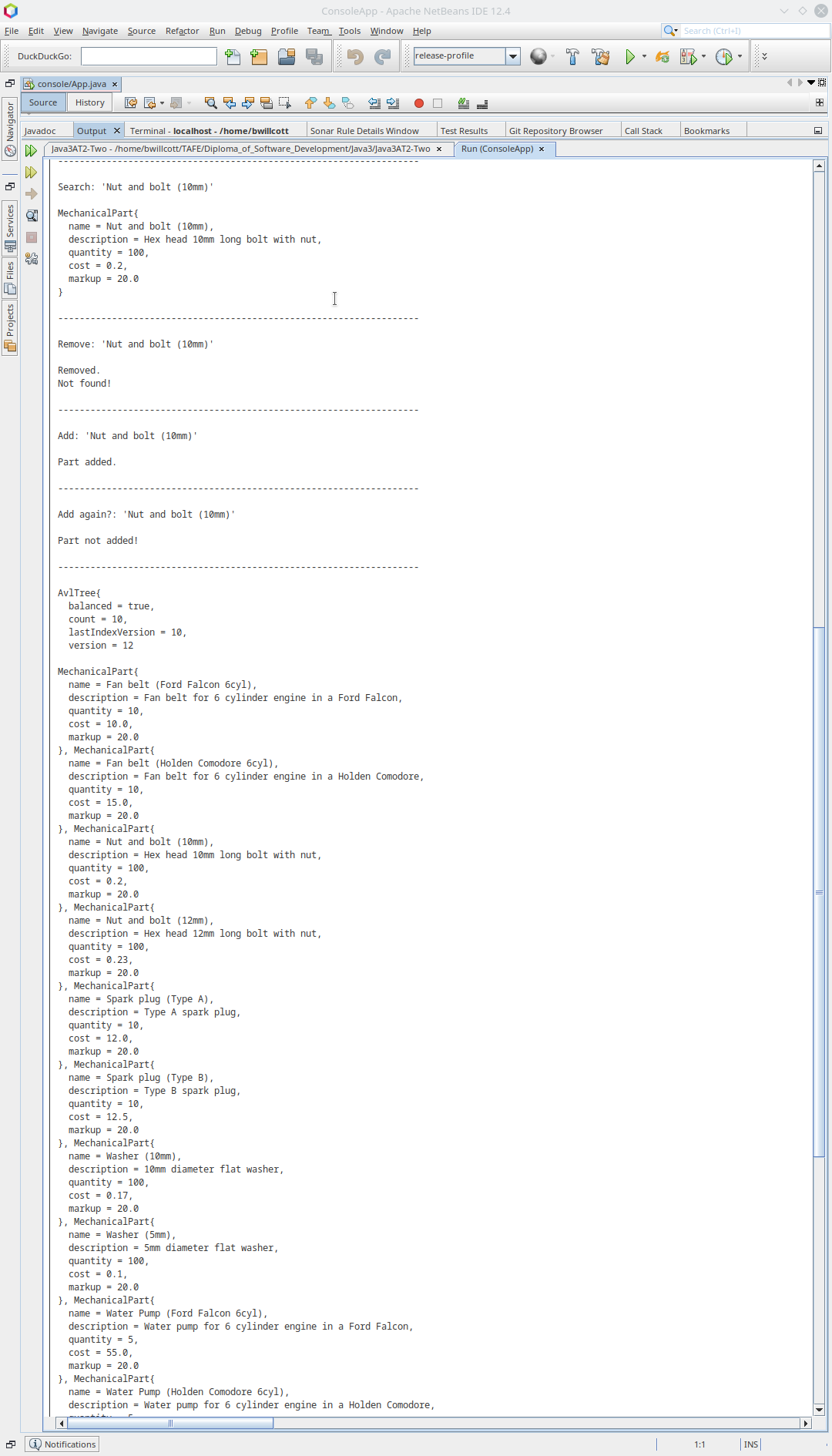


Figure 4 – Console program output - B

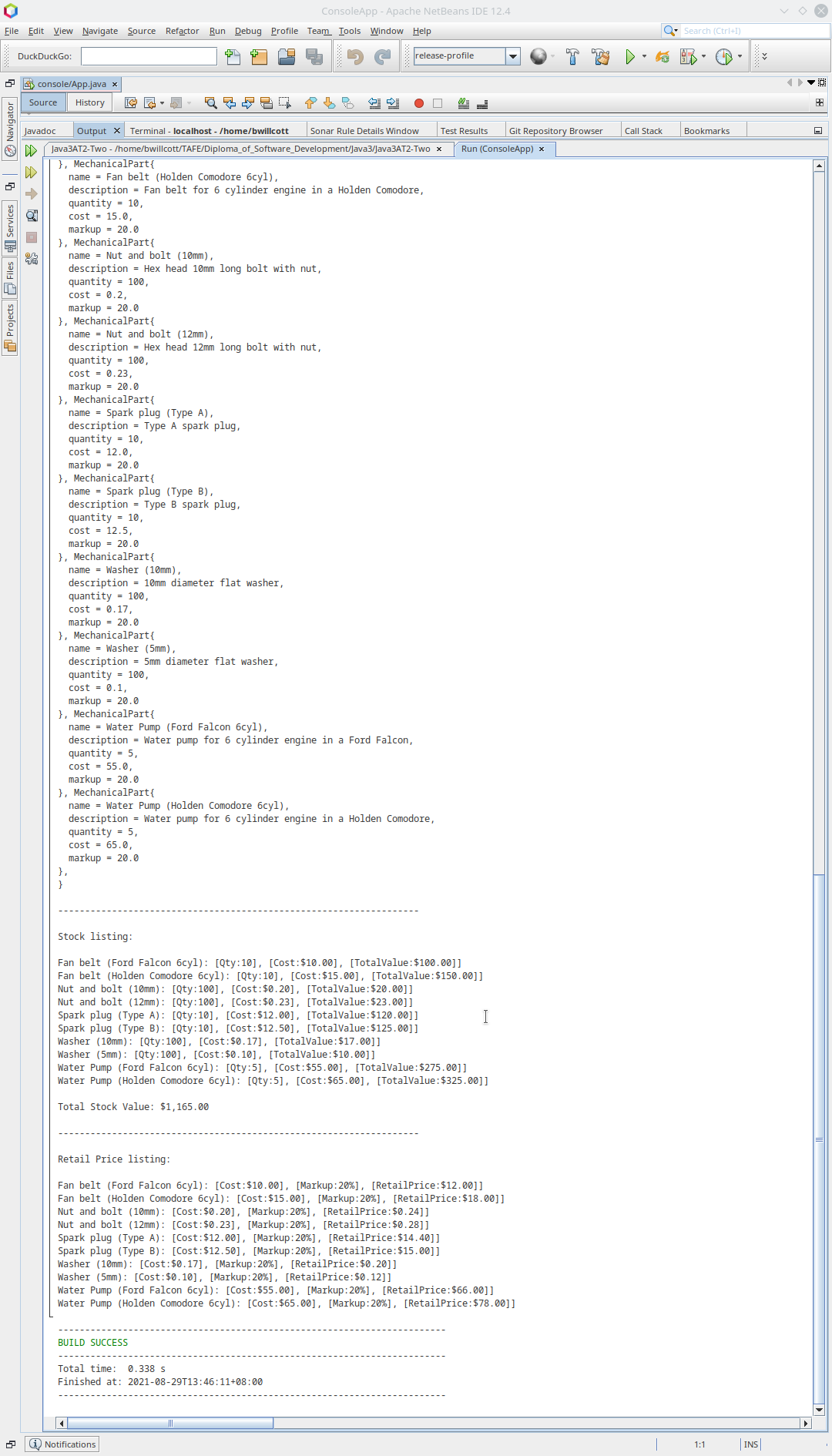


Figure 5 – Console program output - C

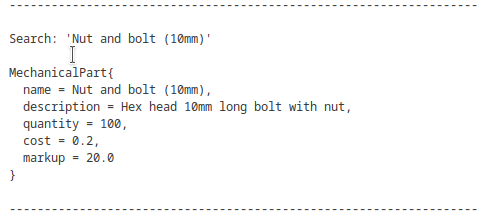


Figure 6 – Search results

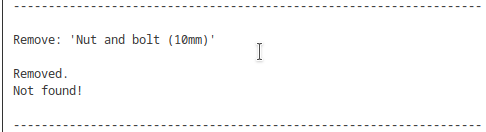


Figure 7 – Remove a part

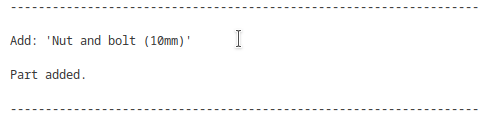


Figure 8 - Add the part back in

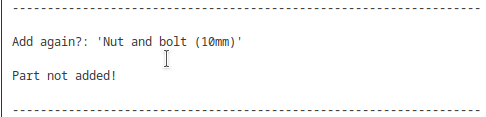


Figure 9 – Try to add it again

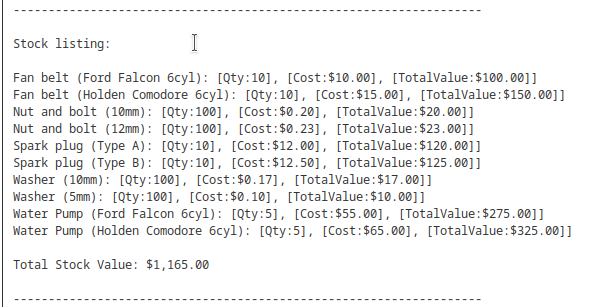


Figure 10 – Testing totalValue() method

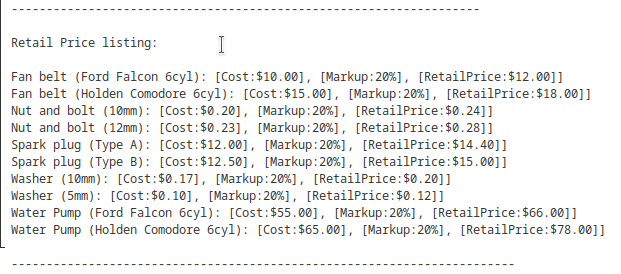


Figure 11 – Testing retailPrice() method

# References