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| Name: | Multiplication Use Case |
| Summary: | A use case to test the multiplication function of the JavaCalculator application. |
| Version: | 1.0 |
| Preconditions: | * Multiplication operand (\*) * Two integers |
| Triggers: | Run JavaCalculator application user entered an integer, then entered \* symbol for operand, and then another integer. |
| Main Success Scenario: | 1. System displays "First number: " 2. User enters first integer 3. System displays "Operation (+, -, \*, /): " 4. User enters multiplication “\*” operand 5. System displays "Second number: " 6. User enters second integer 7. System displays "Answer = " + result |
| Alternative Success Scenarios: | 1. User inputs different integers 2. User chooses multiplication “\*” operand. 3. System displays "Answer = " + result |
| Postconditions: | 1. No data saved to system 2. System is not changed by any inputs |
| Business Rules: | 1. Users may enter an integer or double. 2. Must use symbol “\*” (shift-8) for multiplication. |
| Notes: | Results are always returned to the user as a Double. Even whole numbers are shown with a decimal point and trailing zero. |
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