

Black Box Test Plan for DecimalToBinary

The text in bold in the **Description** column represents the test inputs to the program. You can stop program execution by pressing Ctrl+C.

Test ID	Description	Expected Results	Actual Results
Testing invalid input (String) (JYS)	<p><i>Preconditions:</i> DecimalToBinary program started</p> <p>This program converts nonnegative decimal numbers (integers) to their binary equivalent until the user types -1 to quit</p> <p>Enter a number (-1 to quit): csc Not an int, try again Enter a number (-1 to quit): java Not an int, try again Enter a number (-1 to quit): -1</p>	Exiting DecimalToBinary	Exiting DecimalToBinary
Testing invalid input (negative int) (JYS)	<p><i>Preconditions:</i> DecimalToBinary program started</p> <p>This program converts nonnegative decimal numbers (integers) to their binary equivalent until the user types -1 to quit</p> <p>Enter a number (-1 to quit): -3</p>	Exiting DecimalToBinary	Exiting DecimalToBinary

	Need a nonnegative number or -1 to quit Enter a number (-1 to quit): -1		
Testing 0 (boundary value) (JYS)	<p><i>Preconditions:</i> DecimalToBinary program started</p> <p>This program converts nonnegative decimal numbers (integers) to their binary equivalent until the user types -1 to quit</p> <p>Enter a number (-1 to quit): 0 Need a nonnegative number or -1 to quit Enter a number (-1 to quit): -1</p>	Decimal: 0, Binary: 0 Exiting DecimalToBinary	Decimal: 0, Binary: 0 Exiting DecimalToBinary
Testing invalid input (double)	<p><i>Preconditions:</i> DecimalToBinary program started</p> <p>This program converts nonnegative decimal numbers (integers) to their binary equivalent until the user types -1 to quit</p> <p>Enter a number (-1 to quit): 143.0</p>	Exiting DecimalToBinary	Exiting DecimalToBinary
Testing input of -1	<p><i>Preconditions:</i> DecimalToBinary program started</p> <p>This program converts nonnegative decimal numbers (integers)</p>	Exiting DecimalToBinary	Exiting DecimalToBinary

	<p>to their binary equivalent until the user types -1 to quit</p> <p>Enter a number (-1 to quit): -1</p>		
Testing valid input	<p><i>Preconditions:</i> DecimalToBinary program started</p> <p>This program converts nonnegative decimal numbers (integers) to their binary equivalent until the user types -1 to quit</p> <p>Enter a number (-1 to quit): 143</p>	10001111	10001111
Testing invalid input (char)	<p><i>Preconditions:</i> DecimalToBinary program started</p> <p>This program converts nonnegative decimal numbers (integers) to their binary equivalent until the user types -1 to quit</p> <p>Enter a number (-1 to quit): s</p>	Exiting DecimalToBinary	Exiting DecimalToBinary

[illegible]