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)	*Preconditions:* DecimalToBinary program started This program converts nonnegative decimal numbers (integers) to their binary equivalent until the user types -1 to quit 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**	Exiting DecimalToBinary	Exiting DecimalToBinary
Testing invalid input (negative int) (JYS)	*Preconditions:* DecimalToBinary program started This program converts nonnegative decimal numbers (integers) to their binary equivalent until the user types -1 to quit Enter a number (-1 to quit): **-3** Need a nonnegative number or -1 to quit	Exiting DecimalToBinary	Exiting DecimalToBinary

	Enter a number (-1 to quit): **-1**		
Testing 0 (boundary value) (JYS)	*Preconditions:* DecimalToBinary program started This program converts nonnegative decimal numbers (integers) to their binary equivalent until the user types -1 to quit Enter a number (-1 to quit): **0** Need a nonnegative number or -1 to quit Enter a number (-1 to quit): **-1**	Decimal: 0, Binary: 0 Exiting DecimalToBinary	Decimal: 0, Binary: 0 Exiting DecimalToBinary
Testing -1 (boundary value) (SC, AS, PL)	*Preconditions:* DecimalToBinary program started This program converts nonnegative decimal numbers (integers) to their binary equivalent until the user types -1 to quit Enter a number (-1 to quit): **-1**	Exiting DecimalToBinary	Exiting DecimalToBinary
Testing invalid input (double) (SC, AS, PL)	*Preconditions:* DecimalToBinary program started This program converts nonnegative decimal numbers (integers)	Exiting DecimalToBinary	Exiting DecimalToBinary

	to their binary equivalent until the user types -1 to quit Enter a number (-1 to quit): **1.0** Need a nonnegative number or -1 to quit Enter a number (-1 to quit): **-1**		
Testing 44 (equivalence class) (SC, AS, PL)	*Preconditions:* DecimalToBinary program started This program converts nonnegative decimal numbers (integers) to their binary equivalent until the user types -1 to quit Enter a number (-1 to quit): **44** Enter a number (-1 to quit): **-1**	Decimal: 44, Binary: 101100 Exiting DecimalToBinary	Decimal: 44, Binary: 101100 Exiting DecimalToBinary
Testing invalid input (character) (SC, AS, PL)	*Preconditions:* DecimalToBinary program started This program converts nonnegative decimal numbers (integers) to their binary equivalent until the user types -1 to quit Enter a number (-1 to quit): **A** Need a nonnegative number or -1 to quit Enter a number (-1 to quit): **-1**	Exiting DecimalToBinary	Exiting DecimalToBinary