Assignment 01 Test Cases

This document contains test cases for the following two programs:

- 1. Program to calculate daily, yearly, and 10-year profits based on the number of bottles sold.
- 2. Program to swap two numbers using a swap function.

Test Cases for Part 1

Test Case	Input (Number of Bottles Sold)	Expected Output (Daily Profit, Yearly Profit, 10-Year Profit)	Descriptio n	Result
TC1	10	Daily: \$2.20, Yearly: \$803.00, 10-Year: \$8030.00	Valid input, small number of bottles	Pass/Fail
TC2	0	Error: Please enter a positive number	Edge case: zero bottles sold	Pass/Fail
тсз	-5	Error: Please enter a positive number	Invalid input: negative number	Pass/Fail
TC4	365	Daily: \$80.30, Yearly: \$29,299.50, 10-Year: \$292,995.00	Edge case: one bottle per day	Pass/Fail
TC5	1000	Daily: \$220.00, Yearly: \$80,300.00, 10-Year: \$803,000.00	Valid input, large number of bottles	Pass/Fail

Test Cases for Swap Function Program

Test Case ID	Input (First Number, Second Number)	Expected Output (After Swap)	Description	Result
TC1	(5, 10)	(10, 5)	Valid input, small numbers	Pass/Fail
TC2	(0, 0)	(0,0)	Edge case: both numbers are zero	Pass/Fail
TC3	(-5, -10)	(-10, -5)	Valid input, negative numbers	Pass/Fail
TC4	(99999, 12345)	(12345, 99999)	Valid input, large numbers	Pass/Fail
TC5	(0, 10)	(10, 0)	Edge case: one number is zero	Pass/Fail