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| **Application/ Program name:** | CH3\_EX4 |
| **Written by:** | Allen J Myers |

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| **Purpose or problem definition:** |
| The program is designed to calculate the cost per pound and per square foot for a bag of fertilizer with x cost and y weight. |
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| **Program Procedures:** |
| System asks for input regarding size of fertilizer bag, the cost of the bag, and the area which the given bag can cover. System then takes these values; uses them to mathematically calculate the cost per pound and the cost per square foot. System then prints these values back to terminal. |
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| **Algorithm/Processing/Conditions:** |
| **Inputs:** |
| Cost of fertilizer  Weight (in pounds) of fertilizer  Area that the bag can cover. |
| **Processes:** |
| System reads given input for the three variables and uses these values to calculate the desired output. |
| **Outputs:** |
| Cost per pound of the fertilizer  Cost per square foot of the fertilizer |
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| **Notes & Restriction:** |
| Negative amounts cannot be used, as they would not make logical sense. |
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| **Comments:** |
| Sample data from given example reached desired output. |