Homework 1.

1. *Let* `x=1` *and* `y=2`. *Exchange the values of these two variables without specifically using '1' or '2' i.e., the exchange should work regardless of the values held by the variables. Hint: You can invent a new variable. Another Hint: Imagine you have misplaced your kids' breakfast and now Tom's Cornflakes are in Sally's bowl and Sally's CocoPuffs are in Tom's bowl. You have already poured the milk, how can you fix the problem without throwing away and starting over?*

2. *Repeat some of the previous exercises using variables.*

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