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Branching Logic

1. Write on a piece of paper these 8 labels: “item\_1”, “item\_2”, “item\_3”, “item\_4”, “item\_5”, “item\_6”, “item\_7”, “item\_8”
2. Ask the cashier the price of item\_1, write it under the label “item\_1”.
3. Write the new label on the paper: “sum”.
4. Write 0 under the label “sum”
5. Add the numbers under the label “item\_1” and “sum”, write the result under the label “sum” crossing what I wrote there previously.
6. If there is no item 2, move to branch 27.
7. Ask the cashier the price of item\_2, write it under the label “item\_2”.
8. Add the numbers under the label “item\_2” and “sum”, write the result under the label “sum” crossing what I wrote there previously.
9. If there is no item 3, move to branch 27.
10. Ask the cashier the price of item\_3, write it under the label “item\_3”.
11. Add the numbers under the label “item\_3” and “sum”, write the result under the label “sum” crossing what I wrote there previously.
12. If there is no item 3, move to branch 27.
13. Ask the cashier the price of item\_4, write it under the label “item\_4”.
14. Add the numbers under the label “item\_4” and “sum”, write the result under the label “sum” crossing what I wrote there previously.
15. If there is no item 5, move to branch 27.
16. Ask the cashier the price of item\_5, write it under the label “item\_5”.
17. Add the numbers under the label “item\_5” and “sum”, write the result under the label “sum” crossing what I wrote there previously.
18. If there is no item 6, move to branch 27.
19. Ask the cashier the price of item\_6, write it under the label “item\_6”.
20. Add the numbers under the label “item\_6” and “sum”, write the result under the label “sum” crossing what I wrote there previously.
21. If there is no item 7, move to branch 27.
22. Ask the cashier the price of item\_7, write it under the label “item\_7”.
23. Add the numbers under the label “item\_7” and “sum”, write the result under the label “sum” crossing what I wrote there previously.
24. If there is no item 8Ï, move to branch 27.
25. Ask the cashier the price of item\_8, write it under the label “item\_8”.
26. Add the numbers under the label “item\_8” and “sum”, write the result under the label “sum” crossing what I wrote there previously.
27. Ask the cashier the sales tax of the state, write it under the label “sales\_tax\_multiplier”.
28. Multiply the numbers under the labels “sum” and “sales\_tax\_multiplier”, write the result under the label “sales\_tax”.
29. Add the numbers under the labels “sum” and “sales\_tax”, write the result under the label “sum”, scratching out what I wrote there previously.
30. Round the number under the label “sum” to the nearest penny, scratching out what I wrote there previously.
31. Write the new label on the paper “ Your total is “ and write a 0 under it.
32. Add the numbers under the labels “sum” and “Your total is”, write the result under the label “Your total is”, scratching out what I wrote there previously.