Trace a Loop Step by Step

College | Computer science | Introductory

Learner: _____ Date: _____

Trace the pseudocode. Record i and total after each loop pass, then give the final output.

total = 0; for i = 1 to 4: total = total + i

Answer: _____

x = 1; repeat 3 times: x = x * 2

Answer: _____

count = 5; while count > 2: count = count - 1

Answer: _____

sum = 0; for n in [2, 4, 6]: sum = sum + n

Answer: _____

Grown-up check: Outputs: 10; 8; 2; 12. A trace table should show the value after every update.

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