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| **Count zeroes in C++** | |
| #include <iostream>  using namespace std;  int cnt = 0;  int countZerosRec(int input) {      // Base case for initial input of 0      if (input == 0 && cnt == 0) {          return 1;      }        // Base case for recursion      if (input == 0) {          return cnt;      }      // Check if the current last digit is zero      if (input % 10 == 0) {          cnt++;      }      // Recursive call to process the next digit      return countZerosRec(input / 10);  }  int main() {      cout << countZerosRec(10034) << endl;      return 0;  } | Dry Run for countZerosRec(10034)  | **Call** | **input** | **input % 10** | **is zero?** | **sum** | | --- | --- | --- | --- | --- | | countZerosRec(10034) | 10034 | 4 | ❌ | 0 + next | | countZerosRec(1003) | 1003 | 3 | ❌ | 0 + next | | countZerosRec(100) | 100 | 0 | ✅ | 1 + next | | countZerosRec(10) | 10 | 0 | ✅ | 1 + next | | countZerosRec(1) | 1 | - | ❌ | 0 |   ➡️ Total = 1 + 1 = **2** |
| Output:- 2 | |