

C Programming Exercises



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1 Basics

Problem 1. Write a C program to find if a given number is even or not using *if-else*.

Problem 2. Repeat problem 1 using *switch-case* statements.

Problem 3. Write a C program to find all even numbers between any two numbers using a *for loop*.

Problem 4. Repeat problem 3 using a while loop.

Problem 5. Repeat problem 3 using a *do-while loop*.

Problem 6. Write a *function* to find if a given number is even or not.

2 CALCULATOR

Problem 7. Write a function to add two numbers.

Problem 8. Write a function to add subtract numbers.

Problem 9. Write a function to multiply two numbers.

Problem 10. Write a function to divide two numbers.

Problem 11. Write a function to find the square root of a number.

Problem 12. Write a function to find the square of a number.

Problem 13. Write a function to convert percentage to decimal.

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3 Integer Triangles

Problem 14. Given the perimeter of a triangle (it should be an integer) write a program to find all the possible triangles with integer sides. You just have to print the lengths of the sides of each such triangle.

Problem 15. Create a GUI application in Python for the previous problem.

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