

Chapter 4 - Exercises:

Exercise 1:

Write a Python program to print all the odd numbers in the range of 1 to 15, using a `while` loop.

Exercise 2:

Write a program that repeatedly asks the user to enter a positive number. Add all the entered numbers and display the total. Stop the loop if the user enters a negative number or zero.

Exercise 3:

Write a program where the user has to guess a secret number. The program should keep asking for guesses until the user gets it right, displaying a hint if the guess is too high or too low.

Exercise 4:

Write a program to generate the Collatz sequence for a given positive integer:

- If the number is even, divide it by 2.
- If the number is odd, multiply it by 3 and add 1.
- Continue until the number reaches 1, and print each step.