Puzzle 01

xyz + xyz + xyz = yyy

You might have encountered this puzzle at several places. Including in WhatsApp and other social media which is circulated in the following manner:

Can anybody solve this....

What numbers are 🔵🔴⚪ ?

You will find many discussions on the web on solving this which ends up in the answer 148. We can also obtain the result by writing a program and asking machine to solve it. A 'C' program for this along with detailed comments can be found in the solution.c file.