

# 12 Days of Ghidra

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Day 2 – XOR operator

# Bitwise Operators and Obfuscation

Developers can try and hide data values using obfuscation

- You have already seen this with yesterday's binary ;)

XOR is a very common operator in this context:

$$A \wedge B = C$$

A = some text

B = key (needs to be same length as text)

C = XOR'D text

# Day 2 Binary

Have a look at today's binary and see if you can break the password obfuscation scheme.

Suggestions:

- Write a (python) script to help you
- Make use of tools like CyberChef

Hints:

- XOR has an interesting property that allows you to reverse it when you only have partial information