CRC

This code is written using Python

--> it reads an input file (input.txt) with the message and fn generator

-->it makes long division on them and outputs the transmitted message

--> verifier checks that the transmitted message is correct

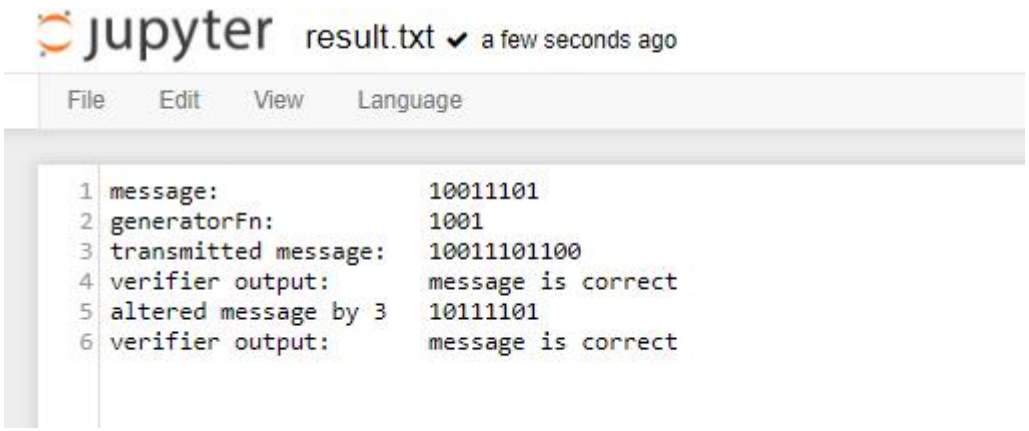
--> you choose an index to alter the message with

(left most bit is index 1)

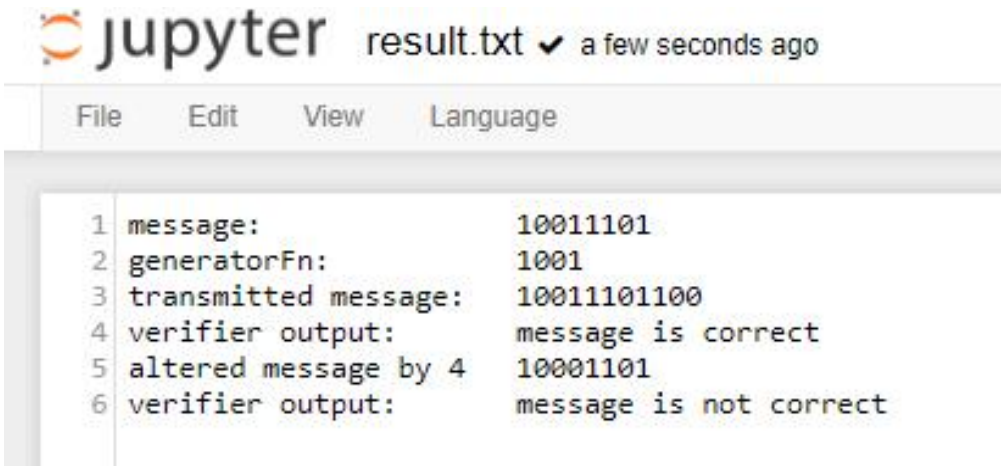
--> it alters the bit , sends it to the verifier to check if it's a correct transmitted message or not

--> output file (result.txt) is generated with all the results

Demo



note: here altering the message by 3 generated another message that's divisible by the fnGenerator, that's why verifier accepted it



altering mesage by 4

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