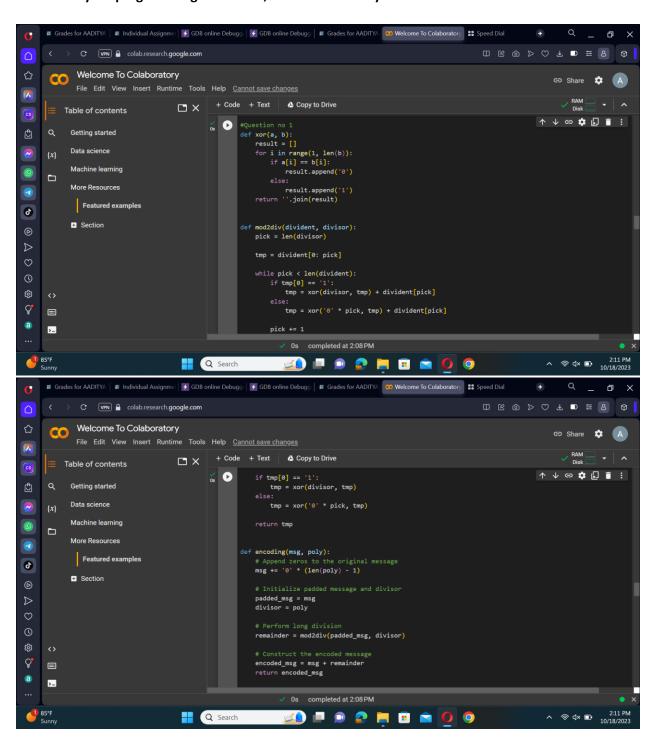
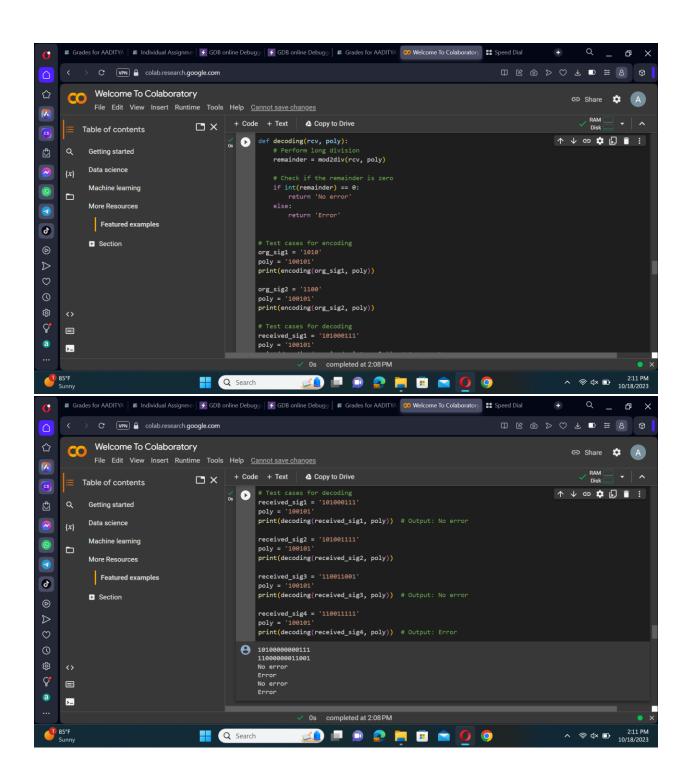
Cyclic Redundancy Check (CRC) is one of the popular coding and decoding techniques in the data
transmitted over the network for error detection and correction. Given x5 + x2 +1 as a CRC
generation polynomial from International Telegraph and Telephone Consultative Committee
(CCITT), write the encoding and decoding def functions in Python for the only 4-bits original
binary data. The examples and testcases of the encoding and decoding processes are shown as
follows for your programming. After that, discuss how many bits errors CRC can detect





2. Hamming code is one important error correcting code in computer science and telecommunication as well. Standard Hamming code can only detect and correct a single bit error. Below is my solution for the problem

