Create 3 classes namely parity, matcipher and rotate

Parity class has the task of adding a parity bit to
the bitstream in case of a odd parity

The MatCipher class has the task of creating a 26*26
matrix and then replacing every bit with either a column
Or a row chosen randomly

The rotate class has to rotate the bitstream by
A random integer between 0 to 5

A class inherits all the above classes and then a menu
Drives the program for required encryption