1. Write a program to approximate the for sin function using Maclaurin series.

$$\sin(x) = \sum_{i=0}^{n} \frac{(-1)^i}{(2i+1)!} x^{2i+1}$$

(User input: number of iteration i and value x)

Display the difference between math.h sinus and Maclaurin sinus between [-π, π] with a step of 0.2

Try to improve previous version using (if needed):

$(-1)^{i+1} = (-1)^i * (-1)$

$(2(i+1)+1)! = (2i+3)! = (2i+1)! * (2i+2) * (2i+3)$

$x^{2(i+1)+1} = x^{2i+3} = x^{2i+1} * x * x$

2. Gauss Gaussian Elimination:
This method allows to solve a system of linear equations (For more information see, Wiki: https://en.wikipedia.org/wiki/Gaussian_elimination)
According to this, coefficient matrix A(nXm) multiply by variable vector X(m) which gives the constant vector B(m): A X X = B.

Note: n and m are the size of vector and matrix.
Use the equations given on wiki under Examples of the algorithm and solve them for x, y and z.

a. Write a function to process equations to put this system in to triangular form.
(Hint: void Process_func(float V[], float k, float W[], int n)
Where n is the length of V and W;
V, W and k are V <- V + kW) 2.

b. Write program for Gaussian elimination.
(int n, m;
int max = 12;
float A[max][max];
float X[max];
float B[max];)