Exercise 4-4: Polynomial approximation

- Modify the polynomial program poly.c in the source code, calculate the 3rd and 5th order McLaughlin expansions of the sine function sin (x), create a graph with Excel, and compare the degree of approximation.
- The calculation range is x: -2π to 2π.
- Submission:
- 1. Poly_sin3.c that expands sin (x) into 3rd order McLaughlin series
- Poly_sin5.c which expands sin (x) into 5th order McLaughlin series
- Make a graph of these functions using any plot softwares