

NM Exercise 4A. The following table contains value of a function at unevenly spaced abscissa values. Write polynomial interpolation program and generate a file of function-values at closely spaced abscissa points. Plot this interpolated curve along with the data points.

x	6.40	6.65	7.03	7.16	7.34	7.44	7.70	8.00	8.24	8.50	8.70
$f(x)$	0.12	0.36	0.68	0.77	0.87	0.92	0.99	0.99	0.93	0.80	0.66