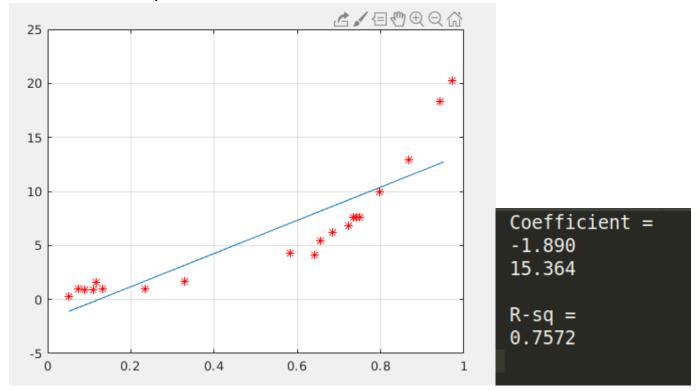
Test Cases given in Assignment:

TestCase (A) -->

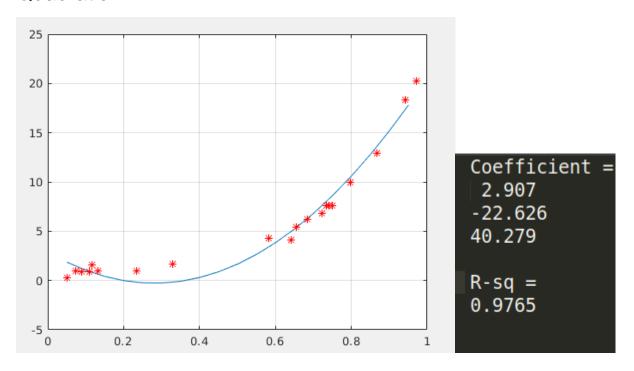
Sample input file

0.051	0.287
0.073	0.983
0.089	0.857
0.798	9.997
0.943	18.345
0.684	6.233
0.132	0.994
0.723	6.805
0.110	0.845
0.117	1.578
0.641	4.122
0.329	1.633
0.654	5.462
0.749	7.621
0.583	4.249
0.740	7.610
0.235	0.935
0.735	7.564
0.971	20.224
0.867	12.940

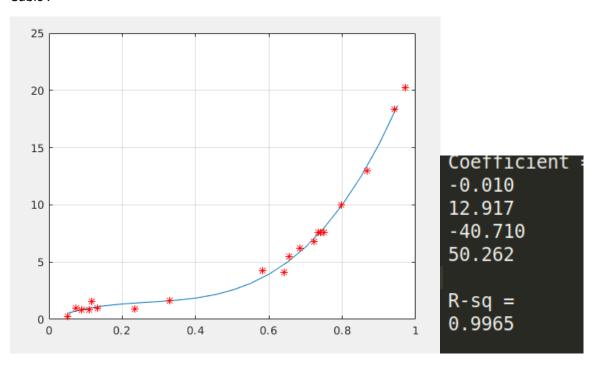
Linear Least Square:



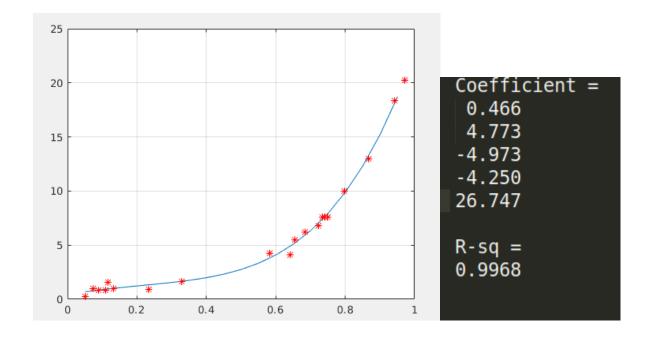
Quadratic:



Cubic:



Quartic:



TestCase (D) -->

points where function has to be evaluated (x^*)

-0.8000

-0.2000

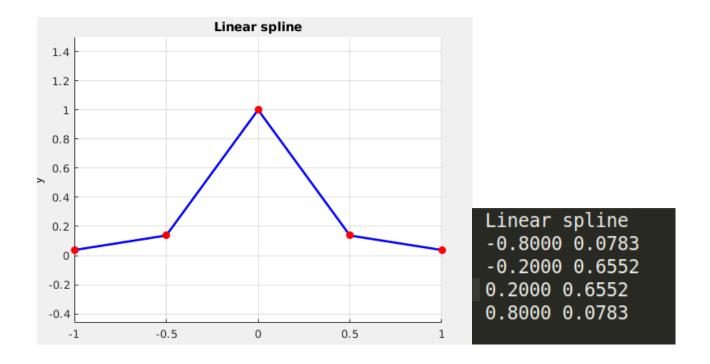
0.2000

0.8000

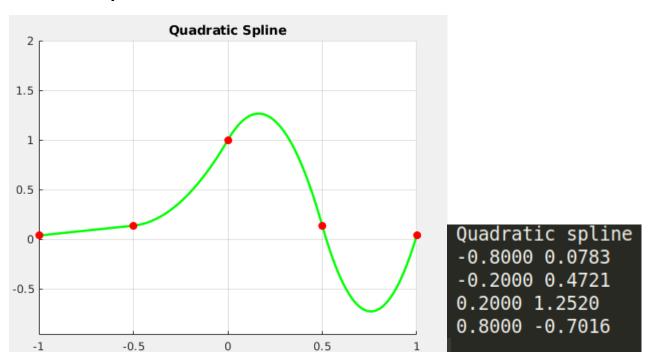
slope at the first (s0) and the last node (sn)

-1.0000 1.5000

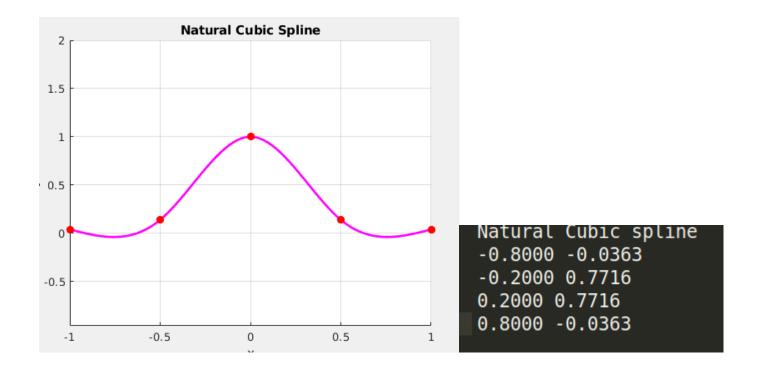
Linear Spline:



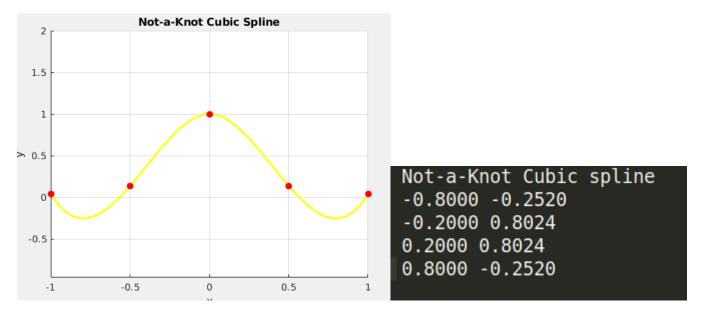
Quadratic spline:



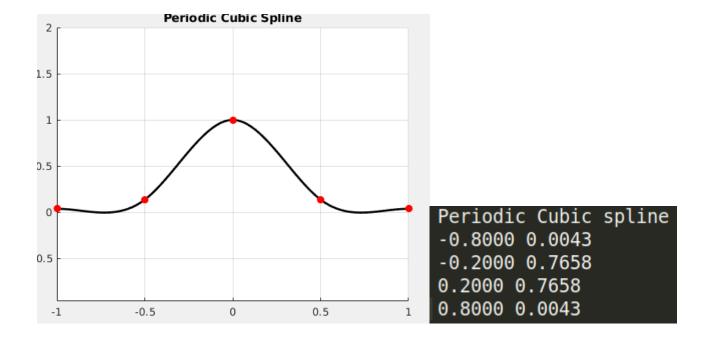
Natural spline:



Not-a-knot spline:



Periodic spline:



Clamped spline:

