```
Enter the x-coordinates of the data points as row vector: [.8 1]
Enter the y-coordinates of the data points as row vector: [.22363362 .65809197]

 The data is given in a table as:

         x           f(x)
    0.80000000    0.22363362
    1.00000000    0.65809197

 The coefficients a_j, b_j, c_j, d_j of the sub-spline S_j are given in a table as:

         j            a_j           b_j           c_j           d_j
    1.00000000    0.22363362    2.17229175    0.00000000    0.00000000

 Enter the point at which we want to find the values of the function and its derivative

 The value of the natural cubic Spline at 0.90 is :     0.44086279

 The value of the derivative of the natural cubic Spline at 0.90 is :     2.17229175

>>
```