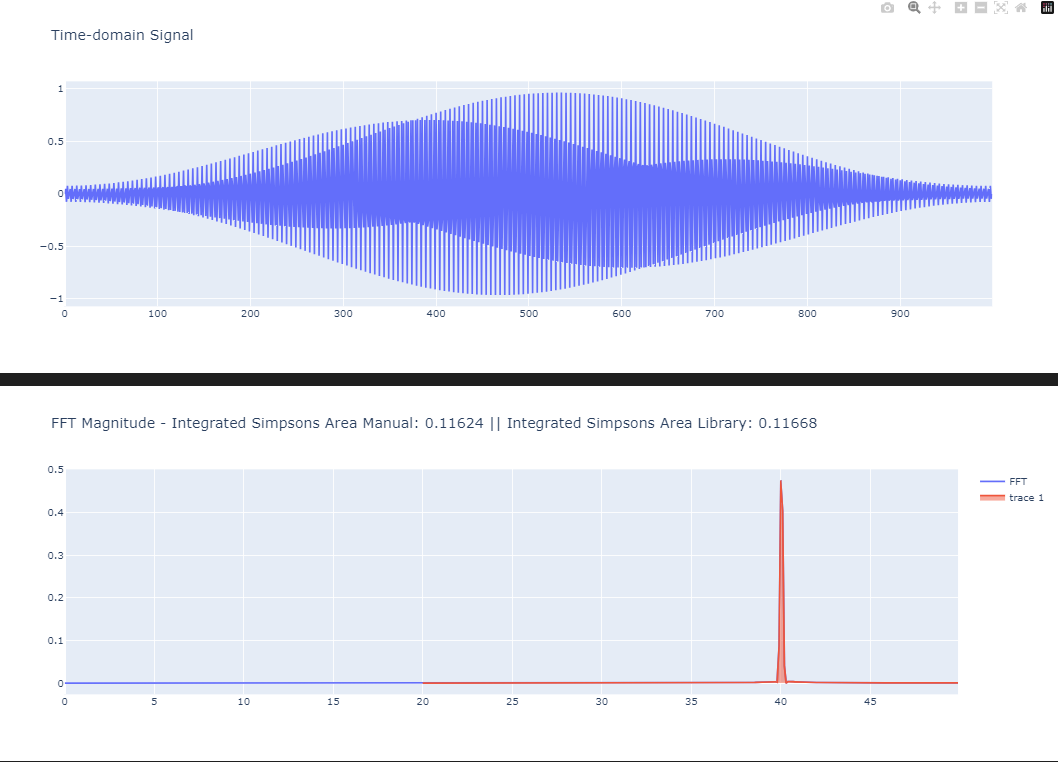
1a - python



1a - matlab

A screenshot of a computer

Description automatically generated

1b - python

A screenshot of a cartoon

Description automatically generated

Figure : Maclaurin Series - checking validity of low N value hand calc

A graph on a screen

Description automatically generated

Figure : increasing N to compare to Simpson Rule

A graph with a line

Description automatically generated

1b – matlab

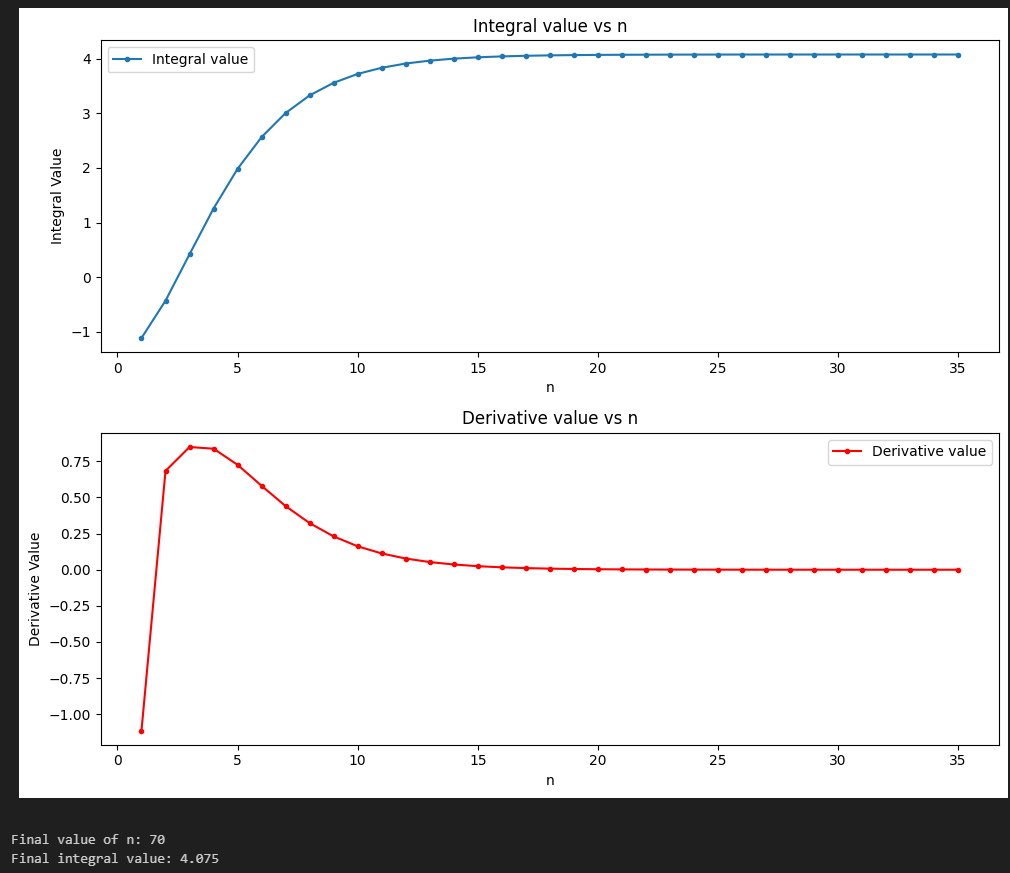
A graph on a white background

Description automatically generated

1c – python

A graph with a line

Description automatically generated



1c – matlab

\*\*\*\* <https://www.mathworks.com/help/matlab/ref/integral.html> - matlab uses the same approach!!

Output - Value of I from 0 to 5: 4.07500

2a – python

A graph with a line

Description automatically generated

2a – matlab

A graph with a line

Description automatically generated

2b – python

A graph with a blue dotted line

Description automatically generated

2b – matlab

A graph with a line

Description automatically generated

3a – python

A rabbit with a black background

Description automatically generatedA graph of a logistic growth

Description automatically generated

3a – matlab

A graph with a line

Description automatically generated

3b – python

A graph with a line

Description automatically generated

3b – python

A graph with a line

Description automatically generated