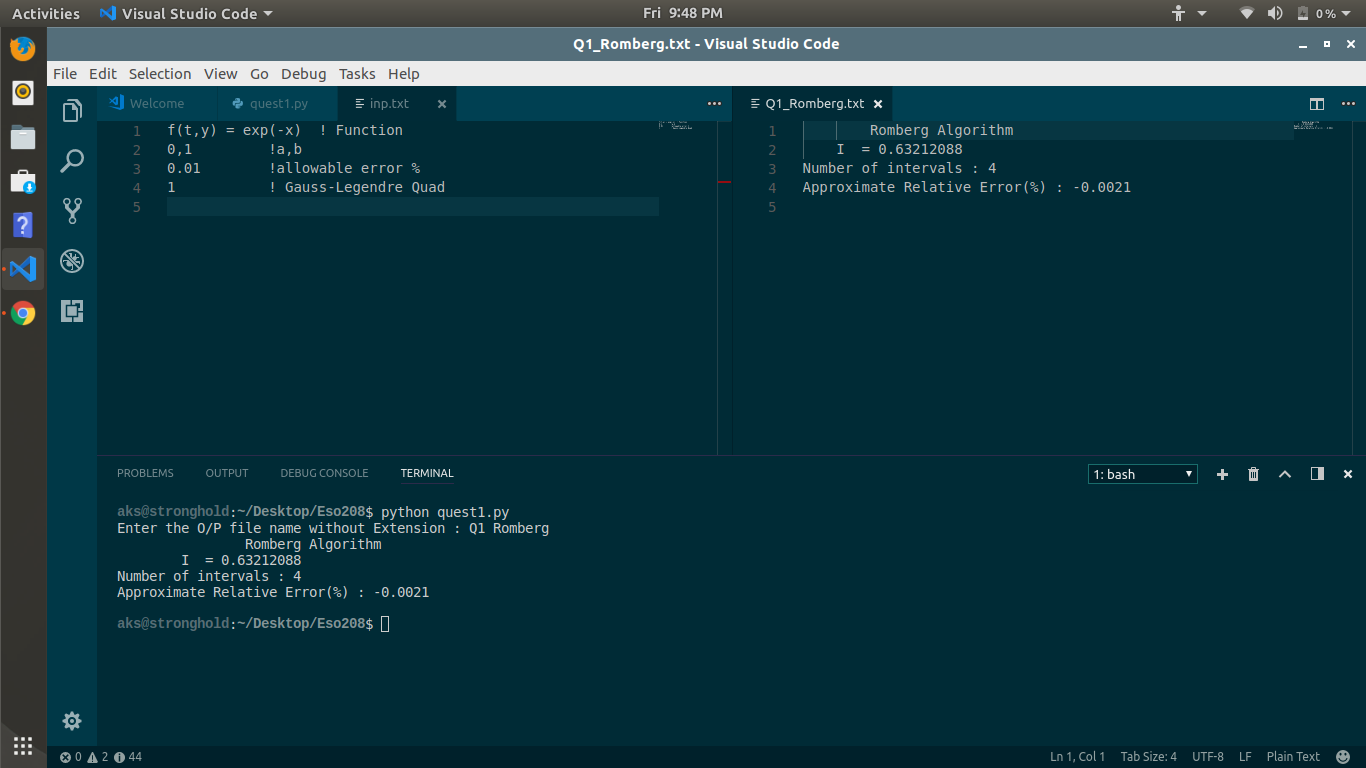
Question 1

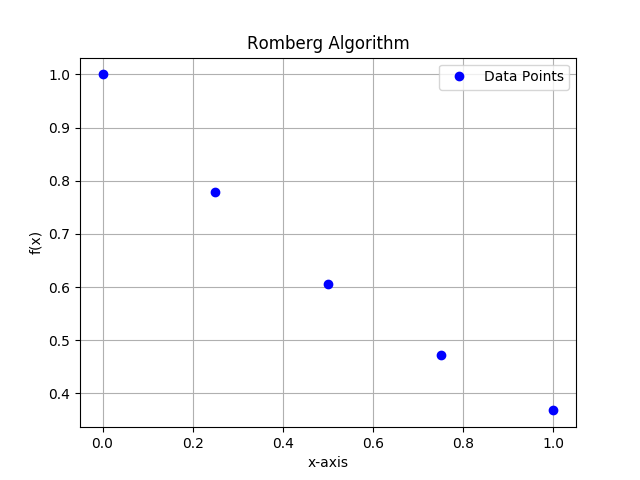
Input File



Romberg Method

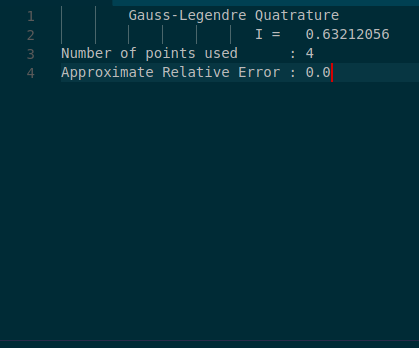
Output :

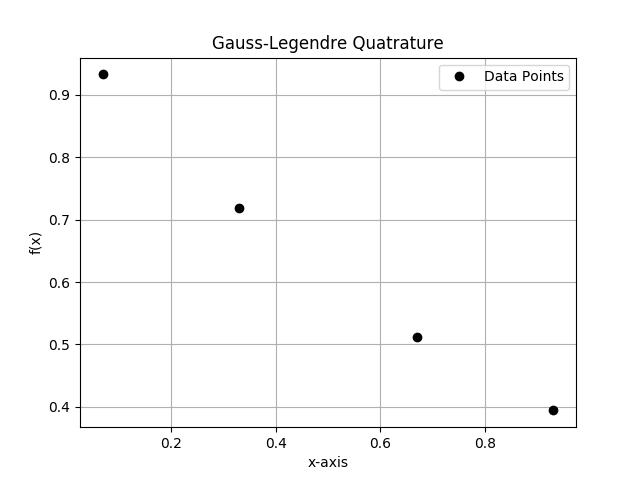




Gauss Legendre Method

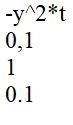
Output:





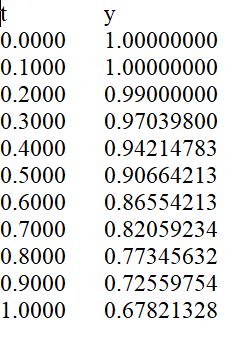
Question 2

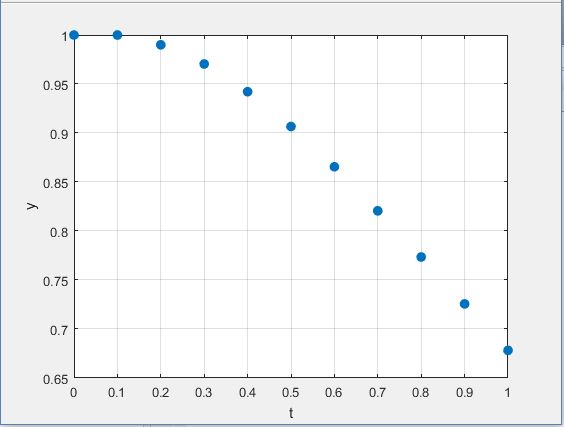
Input File :



Forward Euler Method:

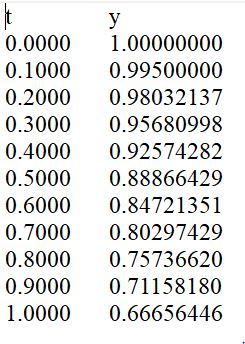
Output:

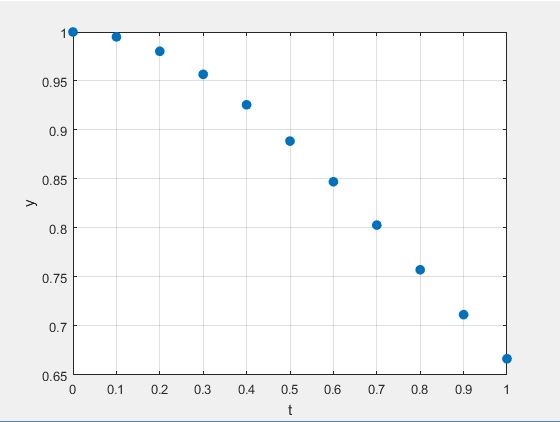




2nd Order Runge Kutta Method

Output:





4th Order Runge Kutta

Output:

