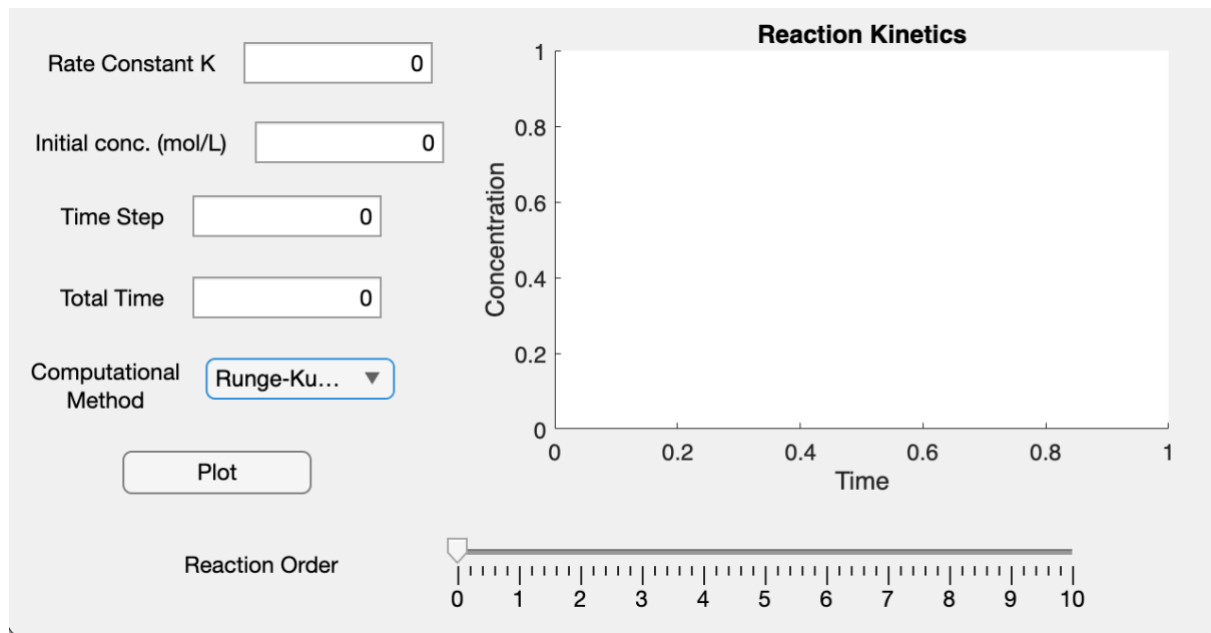


# App Manual

## **Project – Numerical Solution of Reaction Kinetics using MATLAB**

### App Interface: -



### ***How to use the MATLAB App :***

Step 1 :

Rate Constant K

Input the value of Rate Constant K

Step 2 :

Initial conc. (mol/L)

Time Step

Total Time

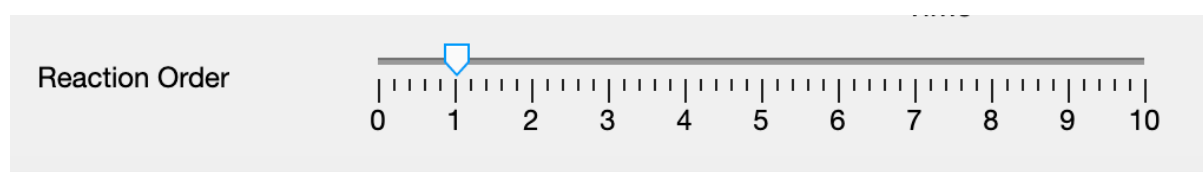
Similarly, Input all the remaining values like Initial concentration of Reactant (mol/L), Time Step, Total Time.

Here,

Time Step – The time interval in which we will be computing the concentration of reactant and product in real time.

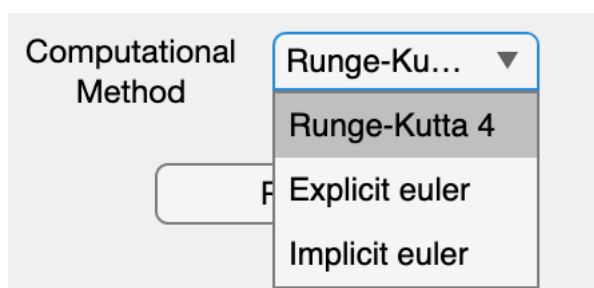
Total Time – Time till we want to see the concentration of reactant and product.

### Step 3 :



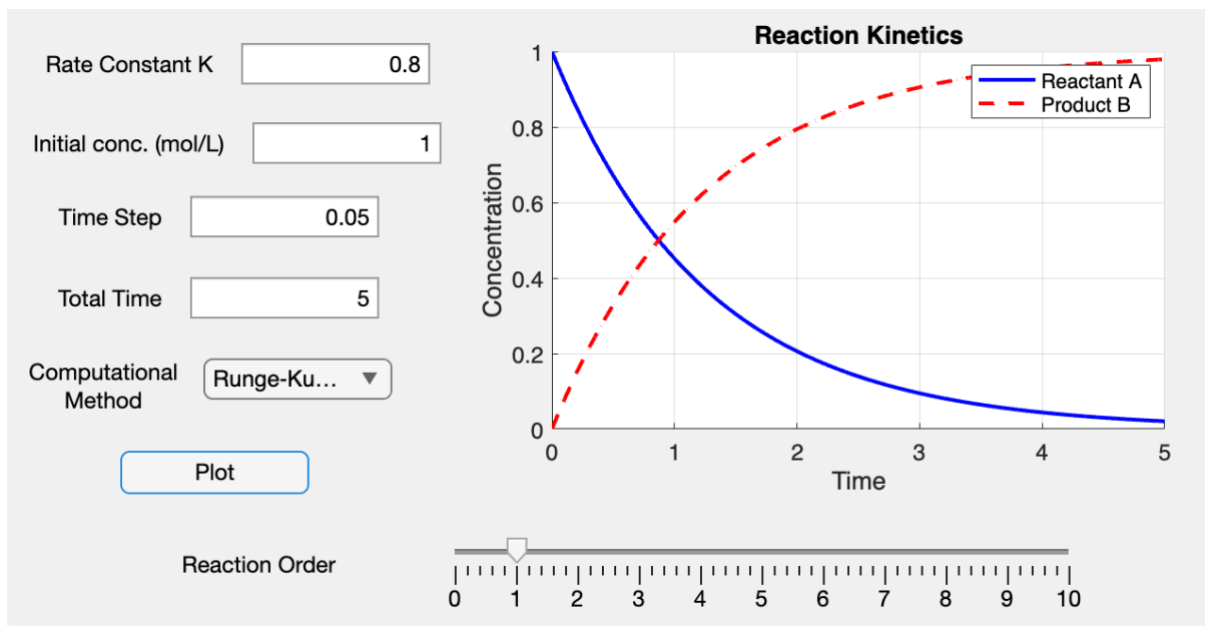
Via help of the Slider, Change the value of the Reaction Order to the required value.

### Step 4 : Select the method of computing the Reaction kinetics ODE



### Step 5 :

Click on the **Plot** button to see the required graph of concentration of Reactant and Product Vs Time.



## More Examples :-

