```
Enter the  value of x0, y0, xn and interval h: 0 1 1 0.1
0    1
0.1   1.1
0.2   1.22
0.3   1.362
0.4   1.5282
0.5   1.72102
0.6   1.94312
0.7   2.19743
0.8   2.48718
0.9   2.8159
1   3.18748
The required sol at x =1 is : 3.18748
0    1
0.1   1.11
0.2   1.24205
0.3   1.39847
0.4   1.5818
0.5   1.79489
0.6   2.04086
0.7   2.32315
0.8   2.64558
0.9   3.01236
1   3.42816
The required sol at x =1 is : 3.42816
0    1
0.1   1.11034
0.2   1.24281
0.3   1.39972
0.4   1.58365
0.5   1.79744
0.6   2.04424
0.7   2.3275
0.8   2.65108
0.9   3.0192
1   3.43656
The required sol at x =1 is : 3.43656
```
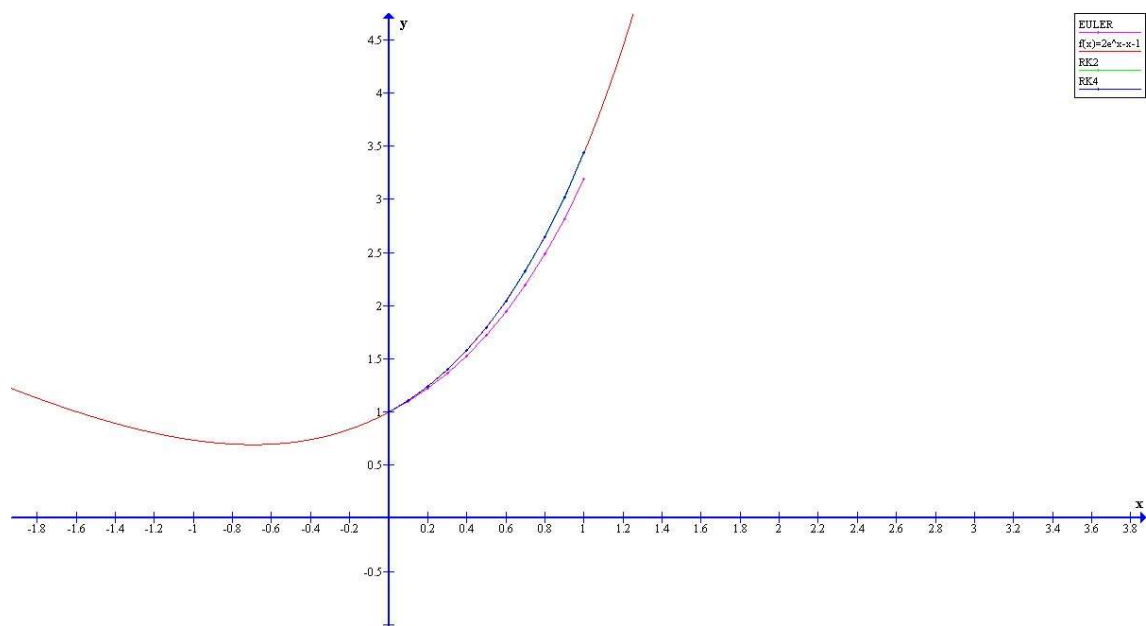

EULER
f(x)=2e^x-x-1
RK2
RK4

```
Enter the  value of x0, y0, xn and interval h: 0 2 1 0.1
0    2
0.1   2.2
0.2   2.421
0.3   2.6671
0.4   2.94281
0.5   3.25309
0.6   3.6034
0.7   3.99974
0.8   4.44871
0.9   4.95759
1    5.53434
The required sol at x =1 is : 5.53434
0    2
0.1   2.2105
0.2   2.44515
0.3   2.70859
0.4   3.00595
0.5   3.34287
0.6   3.72562
0.7   4.16111
0.8   4.65698
0.9   5.22166
1    5.86449
The required sol at x =1 is : 5.86449
0    2
0.1   2.21068
0.2   2.44561
0.3   2.70943
0.4   3.0073
0.5   3.34488
0.6   3.72847
0.7   4.16501
0.8   4.66216
0.9   5.22841
1    5.87312
The required sol at x =1 is : 5.87312
```
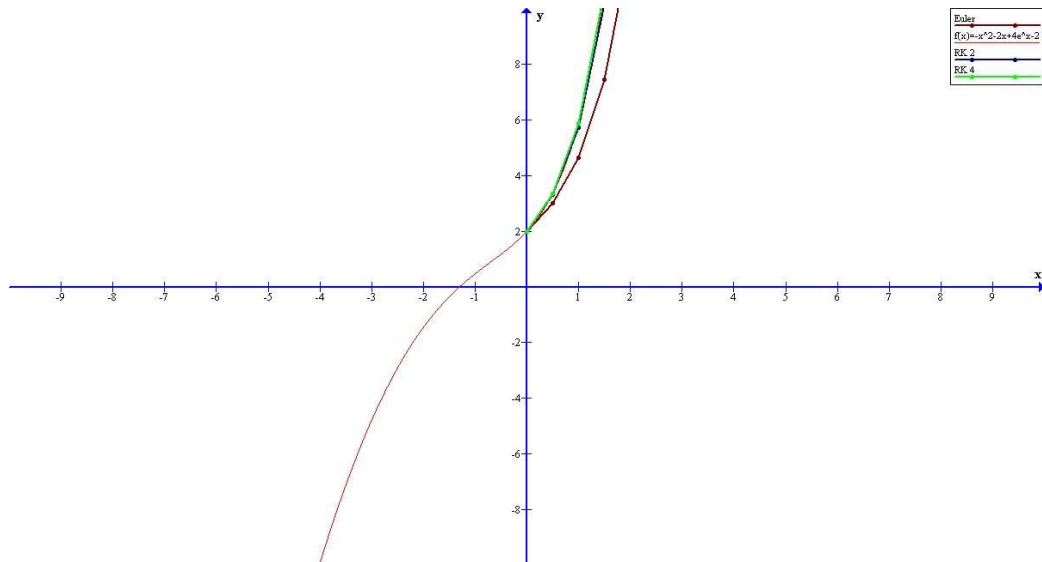
```
Enter the  value of x0, y0, xn and interval h: 1 2 3 0.2
1    2
1.2    2.2
1.4    2.528
1.6    2.9744
1.8    3.53152
2    4.19322
2.2    4.95457
2.4    5.81166
2.6    6.76133
2.8    7.80106
3    8.92885
The required sol at x =3 is : 8.92885
1    2
1.2    2.264
1.4    2.63968
1.6    3.12134
1.8    3.7043
2    4.38472
2.2    5.15947
2.4    6.02597
2.6    6.9821
2.8    8.02612
3    9.15662
The required sol at x =3 is : 9.15662
1    2
1.2    2.25874
1.4    2.63034
1.6    3.10883
1.8    3.68935
2    4.36791
2.2    5.14123
2.4    6.00663
2.6    6.96193
2.8    8.00533
3    9.13537
The required sol at x =3 is : 9.13537
```


Euler
f(x)=x^2+e^(1-x)
RK 2
RK 4