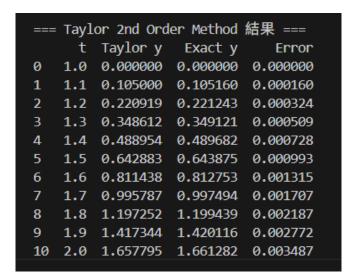
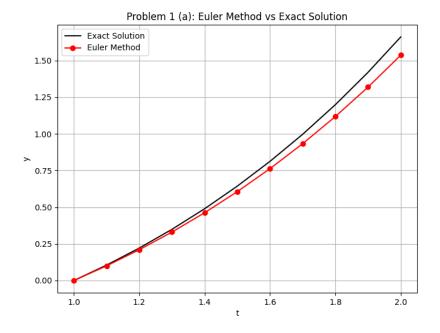
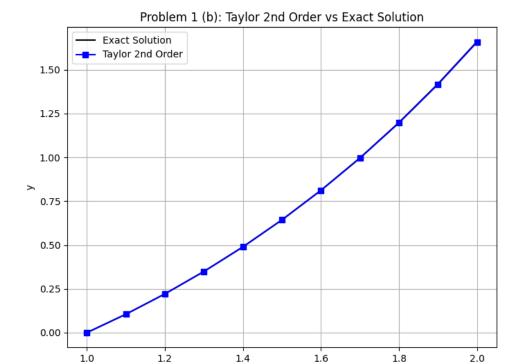
```
=== Euler Method 結果 ===
         Euler y
                               Error
                   Exact y
0
   1.0 0.000000
                 0.000000
                            0.000000
   1.1
        0.100000
                  0.105160
                            0.005160
2
   1.2 0.209917
                  0.221243
                            0.011325
3
   1.3 0.330471 0.349121
                           0.018651
   1.4 0.462354
                 0.489682
                           0.027328
4
5
   1.5 0.606285
                 0.643875
                            0.037590
   1.6
        0.763041
                  0.812753
                            0.049711
7
   1.7
        0.933475
                  0.997494
                           0.064019
   1.8 1.118537
                 1.199439
                           0.080902
8
   1.9 1.319293
                 1.420116
  2.0 1.536943 1.661282 0.124338
```







t

2.

```
RK4 Method (h = 0.05)
             u1 exact
                          u1 RK4
                                     err u1
                                               u2 exact
                                                             u2 RK4
                                                                        err u2
0.00000000 1.33333333 1.33333333 0.00000000 0.66666667
                                                        0.666666667 0.0000000000
0.05000000 1.91205863 1.72188026 0.19017837 -0.90907659 -0.49959934 0.40947725
0.10000000 1.79306259 1.72691505 0.06614754 -1.03200245 -0.83259770 0.19940475
0.15000000 1.60196676 1.61716064 0.01519388 -0.96145871 -0.89037299 0.07108572
0.20000000 1.42390240 1.48168729 0.05778489 -0.87468103 -0.86104209 0.01363894
0.25000000 1.26764562 1.34894503 0.08129941 -0.79522077 -0.80750453 0.01228376
0.30000000 1.13157652 1.22706330 0.09548678 -0.72499857 -0.75034063 0.02534206
0.35000000 1.01299856 1.11747812 0.10447956 -0.66305963 -0.69588591 0.03282628
0.40000000 0.90940859 1.01952546 0.11011687 -0.60821421 -0.64573176 0.03751755
0.45000000 0.81862953 0.93197667 0.11334714 -0.55938925 -0.59993424 0.04054499
0.50000000 0.73878784 0.85354051 0.11475267 -0.51565767 -0.55809249 0.04243482
0.55000000 0.66827466 0.78301728 0.11474262 -0.47622475 -0.51970627 0.04348152
0.60000000 0.60570965 0.71933702 0.11362737 -0.44041076 -0.48429031 0.04387955
0.65000000 0.54990941 0.66156029 0.11165088 -0.40763534 -0.45140706 0.04377172
0.70000000 0.49986025 0.60886767 0.10900742 -0.37740382 -0.42067262 0.04326880
0.75000000 0.45469474 0.56054685 0.10585211 -0.34929551 -0.39175408 0.04245857
0.80000000 0.41367148 0.51598005 0.10230857 -0.32295352 -0.36436468 0.04141116
0.85000000 0.37615771 0.47463258 0.09847487 -0.29807605 -0.33825859 0.04018254
0.90000000 0.34161435 0.43604262 0.09442827 -0.27440884 -0.31322611 0.03881727
0.95000000 0.30958300 0.39981231 0.09022931 -0.25173868 -0.28908926 0.03735058
1.00000000 0.27967491 0.36559983 0.08592492 -0.22988784 -0.26569799 0.03581015
```

RK4 Method ($h = 0.1$)				
t u1_exact	u1_RK4	err_u1 u2_exac	t u2_RK4	err_u2
0.00000000 1.33333333	1.333333333	0.00000000 0.6666666	7 0.66666667	0.00000000
0.10000000 1.79306259	-3.05243707	4.84549966 -1.0320024	5 8.98930534	10.02130779
0.20000000 1.42390240	-23.84779485	25.27169725 -0.8746810	3 51.19270398	52.06738501
0.30000000 1.13157652	-130.16520165	131.29677817 -0.7249985	7 269.26919305	269.99419162
0.40000000 0.90940859	-680.23148478	681.14089337 -0.6082142	1 1399.36858287	1399.97679708
0.50000000 0.73878784	-3531.29958377	3532.03837161 -0.5156576	7 7258.24183557	7258.75749324
0.60000000 0.60570965	-18312.79504397	18313.40075362 -0.4404107	6 37634.95546604	37635.39587680
0.70000000 0.49986025	-94951.33186455	94951.83172480 -0.3774038	2 195131.87164756	195132.24905138
0.80000000 0.41367148	-492306.46541798	492306.87908946 -0.3229535	2 1011721.87162274	1011722.19457626
0.90000000 0.34161435	-2552513.62271895	2552513.96433330 -0.2744088	4 5245578.82422970	5245579.09863854
1.00000000 0.27967491	-13234278.78321329	13234279.06288820 -0.2298878	4 27197287.19434988	27197287.42423772
DC C.\!!====\ =0444\D==!-				

