## 數值方法作業五

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## Question1\_a

Desktop/F54091196_numerical_hw5/question1_a.py							
t	Euler y -	Exact y	Error				
1.00	0.00000	0.00000	0.00000				
1.10	0.10000	0.10516	0.00516				
1.20	0.20992	0.22124	0.01133				
1.30	0.33047	0.34912	0.01865				
1.40	<b>0.</b> 46235	<b>0.</b> 48968	0.02733				
1.50	0.60629	0.64388	0.03759				
1.60	0.76304	0.81275	0.04971				
1.70	0.93348	0.99749	0.06402				
1.80	1.11854	1.19944	0.08090				
1.90	1.31929	1.42012	0.10082				
2.00	1.53694	1.66128	0.12434				

## Question1\_b:

Deskto	p/F54091196_r	numerical_hw5	5.551155ame /question1_b.py	00
t	Taylor y	Exact y	Error	
1.00	0.00000	0.00000	0.00000	
1.10	0.10000	0.10516	0.00516	
1.20	0.20943	0.22124	0.01181	
1.30	0.32895	0.34912	0.02017	
1.40	0.45919	<b>0.</b> 48968	0.03049	
1.50	0.60080	<b>0.</b> 64388	0.04307	
1.60	<b>0.</b> 75450	0.81275	0.05826	
1.70	0.92103	0.99749	0.07647	
1.80	1.10124	1.19944	0.09820	
1.90	1.29607	1.42012	0.12405	
2.00	1.50657	1.66128	0.15471	

## Question2

Desktor	o/F54091196 r	numerical hw5	/question2.py	C1 1CG C_11W5
t ·	Taylor y	Exact y	Error	
1.00	0.00000	0.00000	0.00000	
1.10	0.10000	0.10516	0.00516	
1.20	0.20943	0.22124	0.01181	
1.30	<b>0.</b> 32895	0.34912	0.02017	
1.40	0.45919	<b>0.</b> 48968	0.03049	
1.50	0.60080	0.64388	0.04307	
1.60	<b>0.</b> 75450	0.81275	0.05826	
1.70	0.92103	0.99749	0.07647	
1.80	1.10124	1.19944	0.09820	
1.90	1.29607	1.42012	0.12405	
2.00	1.50657	1.66128	0.15471	