Differential Equation	Initial Condition	Step Size
dy/dx=(6y+e^x)/2	y(0)=5	h=1/2

Euler's Method

x	y	f(x,y)	delta y	Exact	Relative Error
0	5	15.5	7.75	5	0
0.5	12.75	39.0743606	19.5371803	23.1166873	0.448450384
1	32.2871803	98.2206819	49.1103409	104.769498	0.691826526
1.5	81.3975213	246.433408	123.216704	471.469517	0.827353586
2	204.614225	617.537204	308.768602	2116.1539	0.903308438
2.5	513.382828	1546.23973	773.119865	9489.17705	0.945898066
3	1286.50269	3869.55085	1934.77542	42536.1692	0.969755088