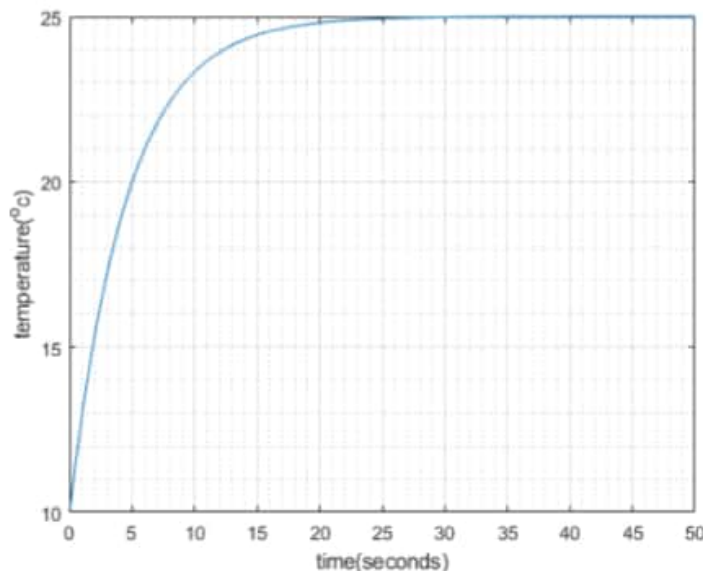


MATLAB ASSIGNMENT

```
commandwindow  
clear  
clc  
close all  
t =0:0.5:50  
T =-15*exp(-0.2197*t)+25  
plot(t,T)  
xlabel('time(seconds)')  
ylabel('temperature(^oc)')  
grid on  
grid minor  
t = 1x101
```

```
0 0.5000 1.0000 1.5000 2.0000 2.5000 3.0000 3.5000  
4.0000 4.5000 5.0000 5.5000 6.0000 6.5000 7.0000 7.5000  
8.0000 8.5000 9.0000 9.5000 10.0000 10.5000 11.0000 11.5000  
12.0000 12.5000 13.0000 13.5000 14.0000 14.5000 15.0000  
15.5000 16.0000 16.5000 17.0000 17.5000 18.0000 18.5000  
19.0000 19.5000 20.0000 20.5000 21.0000 21.5000 22.0000  
22.5000 23.0000 23.5000 24.0000 24.5000  
T = 1x101  
10.0000 11.5605 12.9586 14.2113 15.3337 16.3393 17.2402  
18.0475 18.7708 19.4188 19.9994 20.5197 20.9858 21.4034  
21.7775 22.1128 22.4131 22.6822 22.9234 23.1394 23.3330  
23.5064 23.6618 23.8010 23.9257 24.0375 24.1376 24.2273  
24.3077 24.3797 24.4443 24.5021 24.5539 24.6003 24.6419  
24.6791 24.7125 24.7424 24.7692 24.7932 24.8147 24.8340  
24.8513 24.8667 24.8806 24.8930 24.9042 24.9141 24.9231  
24.9311
```



	A	B	C	D	E	F
1		T				
2		0	10			
3		0.5	11.56047			
4		1	12.95861			
5		1.5	14.21129			
6		2	15.33366			
7		2.5	16.33926			
8		3	17.24025			
9		3.5	18.04751			
10		4	18.77079			
11		4.5	19.41882			
12		5	19.99944			
13		5.5	20.51965			
14		6	20.98575			
15		6.5	21.40336			
16		7	21.77752			
17		7.5	22.11276			
18		8	22.41313			
19		8.5	22.68224			
20		9	22.92336			
21		9.5	23.1394			
22		10	23.33296			
23		10.5	23.50638			
24		11	23.66177			
25		11.5	23.80099			
26		12	23.92572			
27		12.5	24.03748			
28		13	24.13761			
29		13.5	24.22733			
30		14	24.30771			
31		14.5	24.37973			
32		15	24.44426			
33		15.5	24.50207			
34		16	24.55387			
35		16.5	24.60028			
36		17	24.64187			
37		17.5	24.67912			
38		18	24.7125			
39		18.5	24.74241			
40		19	24.76921			
41		19.5	24.79322			
42		20	24.81473			
43		20.5	24.83401			
44		21	24.85127			
45		21.5	24.86675			
46		22	24.88061			
47		22.5	24.89303			
48		23	24.90416			
49		23.5	24.91413			
50		24	24.92306			
51		24.5	24.93107			
52		25	24.93824			
53		25.5	24.94466			
54		26	24.95042			
55		26.5	24.95558			
56		27	24.9602			
57		27.5	24.96434			
58		28	24.96805			
59		28.5	24.97137			
60		29	24.97435			
61		29.5	24.97702			
62		30	24.97941			
63		30.5	24.98155			
64		31	24.98347			
65		31.5	24.98519			
66		32	24.98673			
67		32.5	24.98811			
68		33	24.98935			
69		33.5	24.99046			
70		34	24.99145			
71		34.5	24.99234			
72		35	24.99314			
73		35.5	24.99385			
74		36	24.99449			
75		36.5	24.99506			
76		37	24.99558			
77		37.5	24.99604			
78		38	24.99645			
79		38.5	24.99682			
80		39	24.99715			
81		39.5	24.99745			
82		40	24.99771			
83		40.5	24.99795			
84		41	24.99816			
85		41.5	24.99835			
86		42	24.99853			
87		42.5	24.99868			
88		43	24.99882			
89		43.5	24.99894			

