NAME:SHAILJA KANT TIWARI ROLL NO. 81

clc;

clear;

clf;

x0=0

t=0:0.1:10

function **dq**=f(**t**, **x**)

**dq**(1)=**x**(2)

**dq**(2)=-**x**(1)-exp(-**t**)\***x**(2)

endfunction

y=ode([0;1],x0,t,f)

plot(t,y(1,:),'-',t,y(2,:),'\*')

disp([t y(1) y(2)])

legends

