function [**y**]=f(**a**, **b**)

**y**=**b**-**a**\***a**;

endfunction

x0=0;

y0=1;

h=.25;

for n=1:4

k1=h\*f(x0,y0);

k2=h\*f(x0+h/2,y0+k1/2);

k3=h\*f(x0+h/2,y0+k2/2);

k4=h\*f(x0+h,y0+k3);

y0=y0+(k1+2\*k2+2\*k3+k4)/6;

x0=x0+h;

printf('valus of x0=%g\t and y0=%g\n',x0,y0);

end

output: valus of x0=0.25 and y0=1.27846

valus of x0=0.5 and y0=1.60125

valus of x0=0.75 and y0=1.94546

valus of x0=1 and y0=2.28167