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

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

endfunction

x0=0;

y0=2;

h=.1;

for n=1:4

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

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

y0=y0+(k1+k2)/2;

x0=x0+h;

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

end

output:

valus of x0=0.1 and y0=2.205

valus of x0=0.2 and y0=2.42103

valus of x0=0.3 and y0=2.64923

valus of x0=0.4 and y0=2.8909