function [ ] = RK2(h,x0,y0,xn)

F = @(x, y)(x+y);

x = x0:h:xn;

y(1) = y0;

n=length(x);

for i=1:n-1

k1 =h\* F(x(i),y(i));

k2 =h\* F((x(i)+h),(y(i)+k1));

y(i+1) = y(i) + (1/2)\*(k1+k2)

end

plot(x, y)