```matlab
clc; clear all; close all;
h=0.01;%step size
x=0:h:2*pi;
f=@(x) cos(x);
y=f(x);
int_y=0; %initialization
for i=1:length(x)-1
 int_y=int_y+ (y(i)+y(i+1))/2*h;
in(i) = int_y;
end
subplot(2,1,1)
plot(x,f(x))
subplot(2,1,2)
plot(x(1:length(x)-1),in)
```