```matlab
function [ y ] = Euler( f,y0,dt,t_end )
%EULER this function returns an euler approximation of a function
%    this approximation of a function is based on the function f
%    starting value y0 timesteps dt and the end time t_end

len = t_end/dt; %number of steps in range

y = [y0,zeros(1,len)];

for n = 1:len
    y(n+1) = y(n) + dt*f(y(n));
end

end
```

Error using Euler (line 6)
Not enough input arguments.

Published with MATLAB® R2013a