clear;

clc;

close all;

a = 1; %This can change depending on situation.

h = 0.01;

x = [0:h:pi];

y = cos(x);

plot(x,y);

ui = 1;

% Implicit

for i = 1:length(x)

u1 = ui + h\*cos(i);

end

for i = 1+h:h:pi

% explicit

u\_np1 = ui + h\*cos(i);

end

fprintf('Implicit: %d \n', u1)

fprintf('Explicit: %d', u\_np1)

Command Window:

Implicit: 1.006669e+00

Explicit: 9.900000e-01>>

