

```
%% Test file (mypublish.m), using the publish command

% Setup and variable definitions
clc           % clear the command window
format compact % prevent extra blank lines in the output

a=1
b=2
c=a*b^2

% Calculate and display y
display ' '
display('y=b*c = ')
y=b*c

% Get and display input
% can't use input function during publish
% n = input('Enter a number between 1 and 10: ')
n = 2;

% num2str converts number to string, the disp function displays an array of strings
disp(['n = ' num2str(n)])

%% Plot data
x = -2 : 0.1 : 2;
y = x.^ 2;
plot(x, y)
% Wait for user to hit Enter before closing the plot window
% disp 'Hit Enter to continue', pause, close all
% input functions like pause don't work in publish mode
```