Publishing is the last step before submitting the assignment!

The published code will be used as the answer sheet for the problem. There may be supporting m-files or user-defined functions that are part of the problem but are not published.

Before you publish, have your code as complete as possible. For any given problem, you will:

1. Use the Problem Template m-file, if provided. Otherwise, use the generic template that is in *Blackboard > Course Resources > MATLAB Resources*.
2. Fill out the header information.
3. Complete the code for the problem, placing code segments in the correct sections within the template.
4. Answer all the questions in the ANALYSIS section of the code
   a. The question itself will be in the problem document. You will answer the question within the Problem Template m-file. Start your answer on the line directly below the Question Title (Q1). For example:

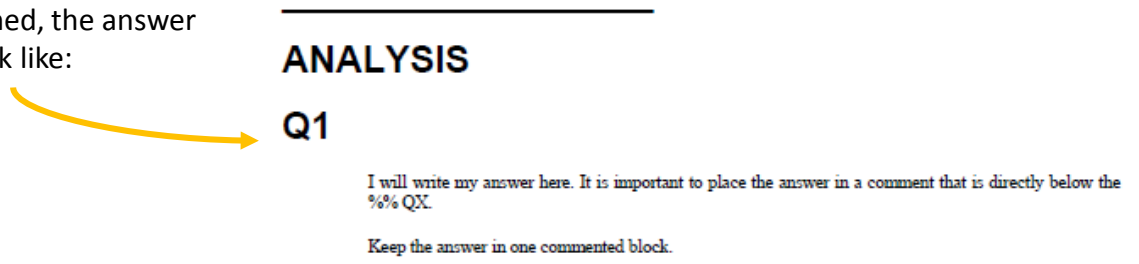
Q1. Where will you write your answer to a question within the template?

```
%% _____________________
%% ANALYSIS

%% Q1
% I will write my answer here. It is important to place the
% answer in a comment that is directly below the %% QX.
%
% Keep the answer in one commented block.
```

Correctly placing your answers will allow them to be formatted in the published document as text rather than as code. The entire answer must be in one commented block, as shown.

When published, the answer to Q1 will look like:



Guidelines for Writing Publishable Code

To get the best publishing results:

- Do not change the section headers or the lines above them.

- Keep one blank line directly following a section header (unless you are answering a question).

Do this,	Not this

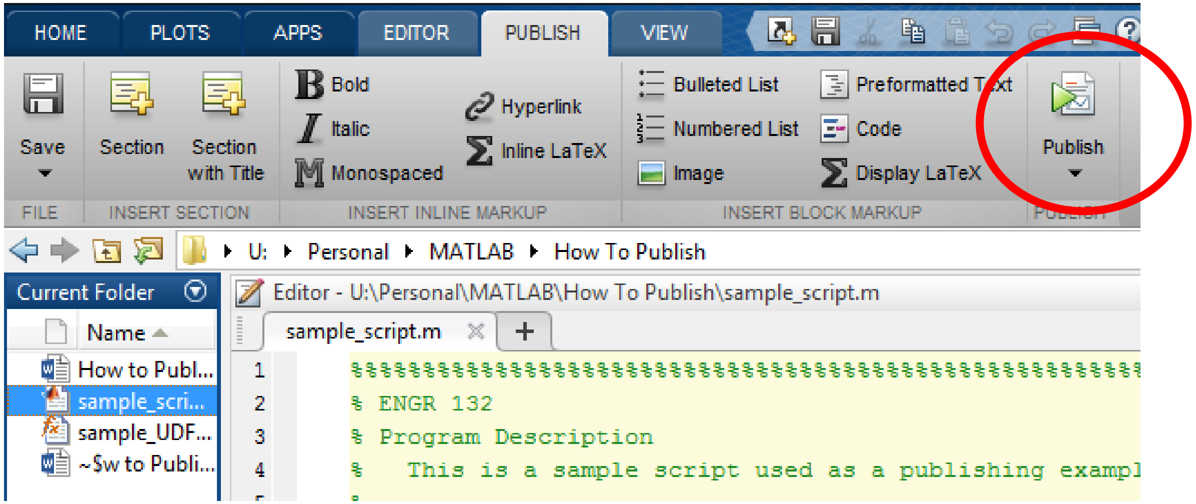
`%% _____`
`%% INITIALIZATION`
 	
`% import velocity data`
	`%% _____`
	`%% INITIALIZATION`
	`% import velocity data`

- Whenever possible, keep each line of code to **70** characters. This helps keep your code and comments easy to follow on the published document.

- Follow the course programming standards (which can be found in *Blackboard > Course Resources > MATLAB Resources*).

How to Publish a Script

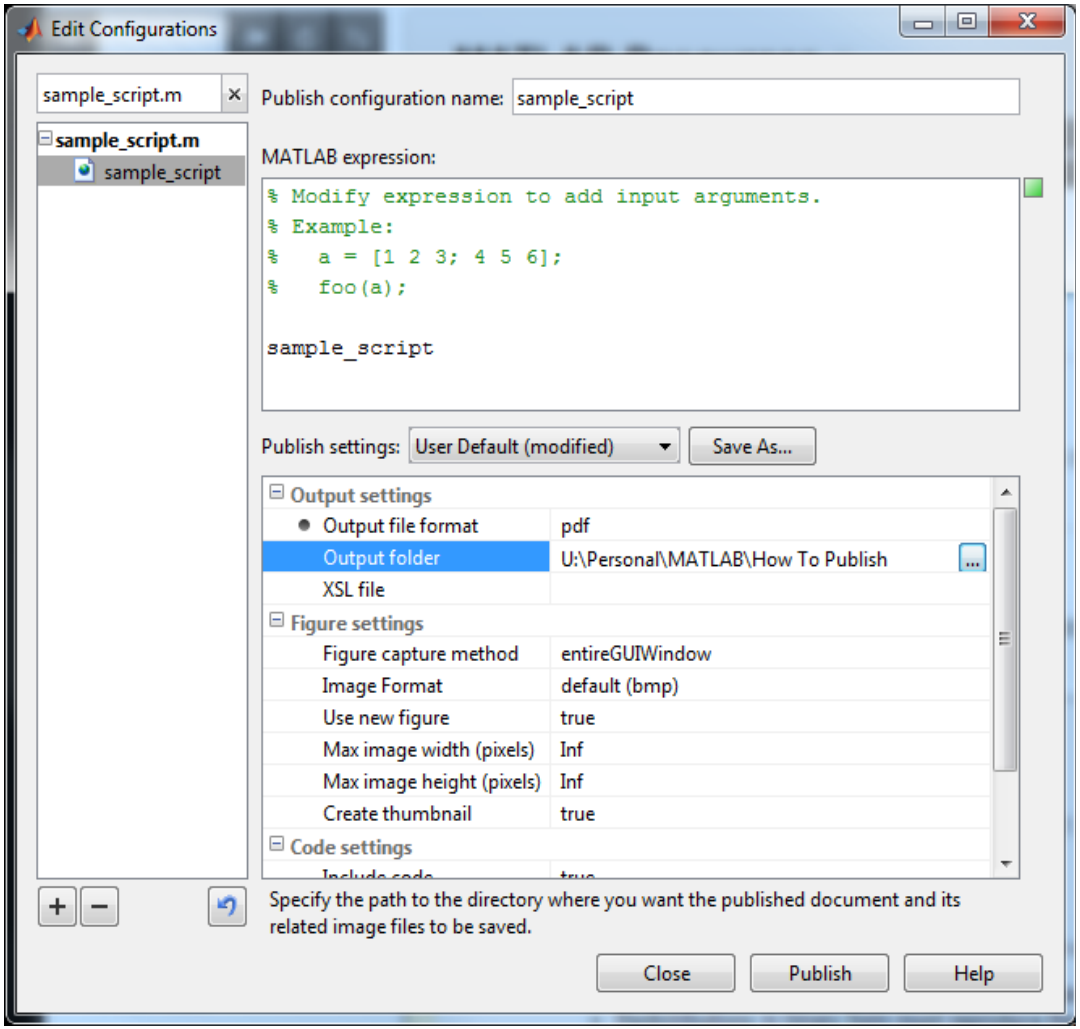
Open your m-file in the MATLAB Editor. Navigate to the PUBLISH tab.



Click on the ▾ below the Publish button and select **Edit Publishing Options**, which opens the publishing options window.

Publishing Options Window

- The **MATLAB expression** window is a mini Command Window. Your file is called here.
- **Output file format**: make sure this is set to PDF
- **Output folder**: make sure this is set properly. You may want to save the published code to the same folder as your m-file.
- Click **Publish**. A PDF reader will open with the published code.
- If you need to rerun the publishing to create a new PDF, then close the open PDF. Republish and it will be overwritten by your new version.
- Save the document with the required name and submit to the assignment drop box along with the original m-file.



Files to Submit

Original m-file

sample_script.m

```
%% ENGR 132
% Program Description
%   This is a sample script used as a publishing example.
%
% Assigment Information
%   Assignment:       PS ##
%   Author:           Name, login@purdue.edu
%   Team-ID:          ###-##
%   Contributor:      Name, login@purdue [repeat for each]

%% INITIALIZATION

A = [1, 3, 5, 7, 9, 11];
B = [10, 20, 30, 40, 50, 60];

%% CALCULATIONS

C = A(4)*B(6);
D = A.*B;

%% ACADEMIC INTEGRITY STATEMENT
% I/We have not used source code obtained from any other unauthorized
% source, either modified or unmodified.  Neither have I/we provided
% access to my/our code to another. The project I/we am/are submitting
% is my/our own original work.
```

Published Code (PDF)

Table of Contents


```
% ENGR 132
% Program Description
% This is a sample script used as a publishing example.
%
% Assigment Information
%   Assignment:       PS ##
%   Author:           Name, login@purdue.edu
%   Team-ID:          ###-##
%   Contributor:      Name, login@purdue [repeat for each]
```

INITIALIZATION

```
A = [1, 3, 5, 7, 9, 11];
B = [10, 20, 30, 40, 50, 60];
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CALCULATIONS

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C = A(4)*B(6);
D = A.*B;
```

ACADEMIC INTEGRITY STATEMENT

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