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%{
Writer: Akshay S Tharval
1st draft: Sept 7, 2015
Last modified: Sept 9, 2015
```

```
Subject: Assignment Q1
%}
```

```
clear all
close all
clc
```

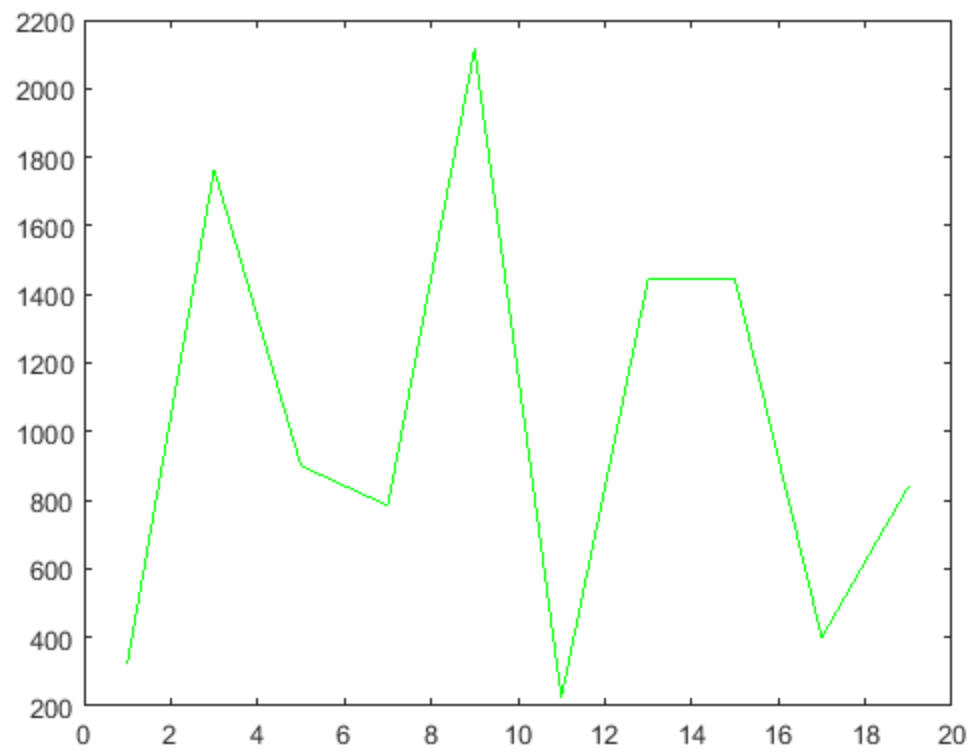
```
x= 1:2:20 % vector from 1 to 20 having interval of 2
a= randi(50,10,1); % Creating a vector of any 10 randoms from 1 to 50
b= a.^2; % Square of every element in vector a
c= sqrt(a); % Square root of every element in vector a
z= [a,b,c] % Keeping vectors a,b, and c as the first, second and third
      column of matrix z
title ('Question 1');
xlabel('Second column of Matrix');
ylabel('Vector x');
plot (x,b,'g'); % Plotting vector x and second column of matrix z
```

x =

1	3	5	7	9	11	13	15	17	19
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z =

1.0e+03 *		
0.0180	0.3240	0.0042
0.0420	1.7640	0.0065
0.0300	0.9000	0.0055
0.0280	0.7840	0.0053
0.0460	2.1160	0.0068
0.0150	0.2250	0.0039
0.0380	1.4440	0.0062
0.0380	1.4440	0.0062
0.0200	0.4000	0.0045
0.0290	0.8410	0.0054



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