Experiment No: 01 **Experiment name:**Write a MatLab program of Graphical Representation.

**Objective:**Graphical representation of data provides a quick and easy-to-read picture of  
information that clearly shows what otherwise takes a great deal of explanation. The impact of graphical data is typically more pointed. From this lab it will be learnt how to represent data in graphical representation.

**Source code:**clc;

clear all;

close all;

x=[1 2 3 5];

y=[5 6 7 9];

z=[3 4 8 5];

figure

stem(x,y);

hold on

plot(x,y);

xlabel('Time');

ylabel('Amplitude');

title('Graphical Representation');

**Output:**



Discussion:  
Graphical representation help us to represent data graphically. From the graph,there shows a relation between Amplitude (showed in Y axis) vs Time(showed in X axis).The continuous and discrete graph are showed both in the figure.For continuous graph **plot(x,y)** & **stem(x,y)** functions used for discrete graph .