



# BASIC SIMULATION LAB

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# Generation of signals

**AIM:** Generate various signals and sequences (Periodic and aperiodic),

**Software Required:** OCTAVE software

# PROCEDURE

1. Open OCTAVE
2. Open new M-file
3. Type the program
4. Save in current directory
5. Compile and Run the program
6. For the output see command window\ Figure window

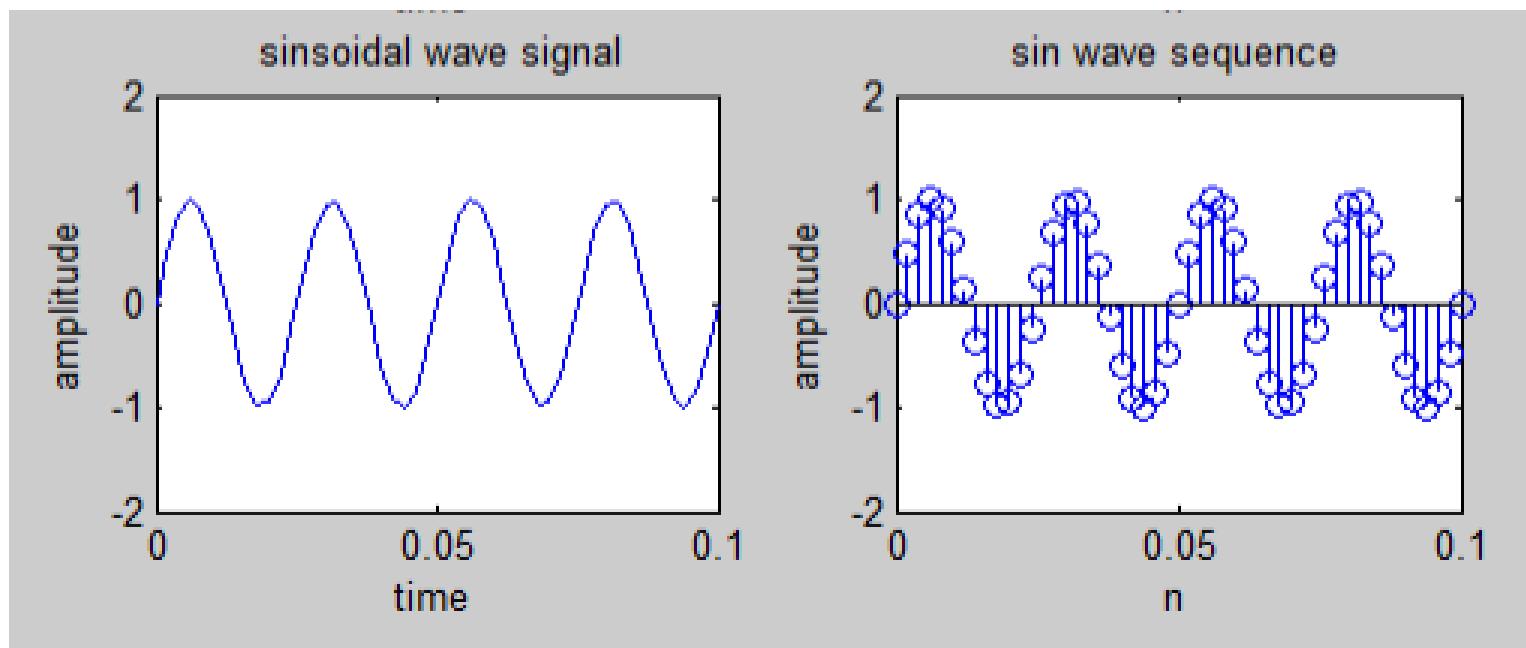
# PROGRAM FOR GENERATION OF SINE SIGNAL

PROGRAM:

```
Close all;  
Clear all;  
t= 0:0.01:2;  
f=1;  
X=sin(2*pi*f*t);  
Subplot(2,1,1);  
Plot(t,x);
```

```
Xlabel('time');  
Ylabel('amplitude');  
Title(' con sin signal');  
subplot(2,1,2);  
Stem(t,x);  
Xlabel('time');  
Ylabel('amplitude');  
Title(' dis sin signal');
```

# OUTPUT GRAPHS



**THANK YOU**