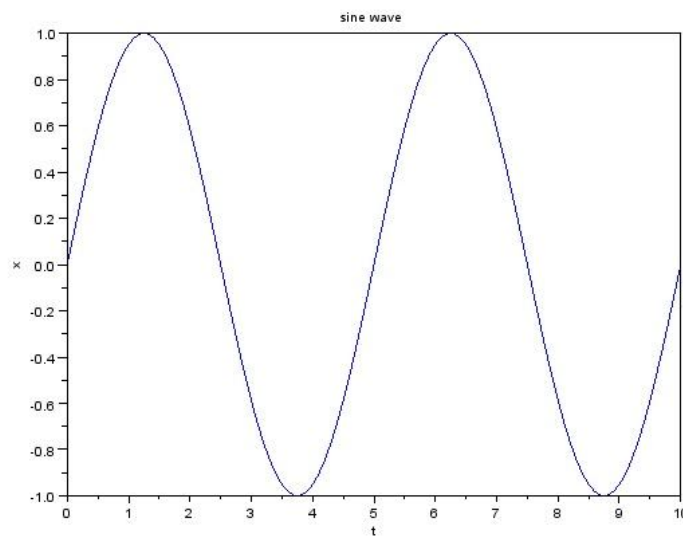


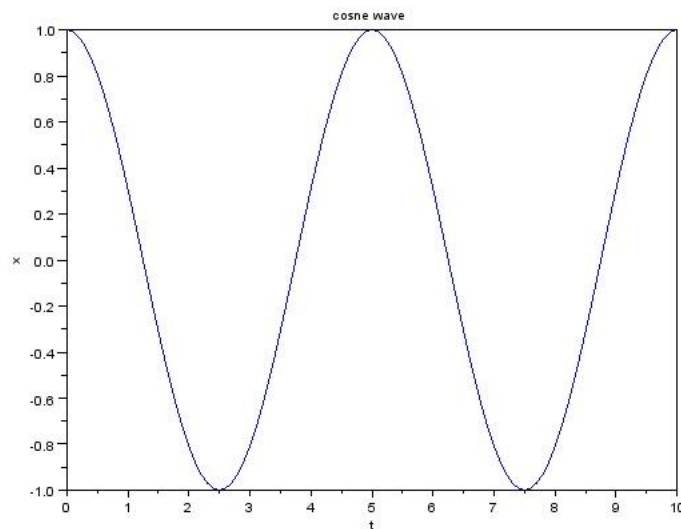
Programme: 1

```
1// sine wave
2 clf ;
3 clear
4 // sine wave
5 f =0.2;
6 t =0:0.1:10;
7 x=
8 plot
9 title ( ' s i n e wave ' );
10 xlabel ( ' t ' );
11 ylabel ( ' x ' );
```



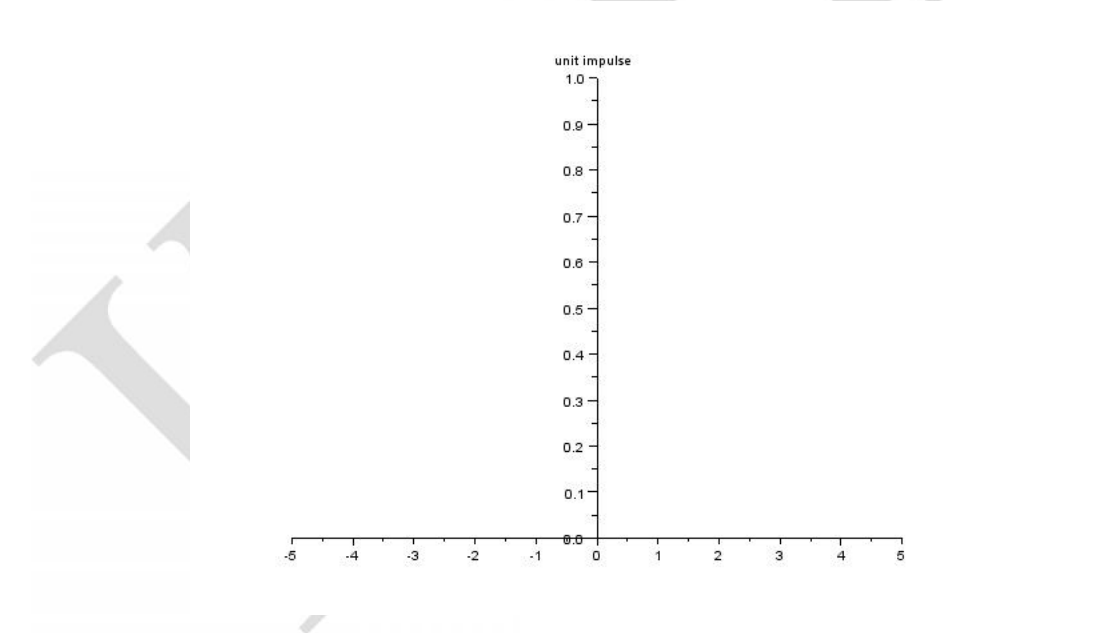
Programme: 2

```
1 clc
2 clf ;
3 clear
4 // COSINE WAVE
5 f =0.2;
6 t =0:0.1:10;
7 x=
8 plot
9 title ( ' c o s i n e wave ' );
10 xlabel ( ' t ' );
11 ylabel ( ' x ' );
```



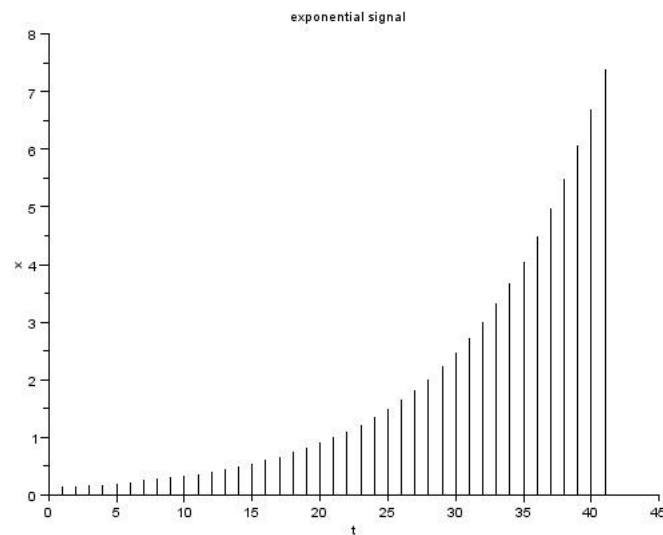
Programme: 3

```
1 unit impulse signal
2 clf ;
3 clear
4 // unit impulse signal
5 L =5;
6 n=-L:L;
7 x=[
8 a=
9 a. y_location =" mi ddl e "
10 plot2d3
11 title ( ' u n i t i mpul s e ' );
```



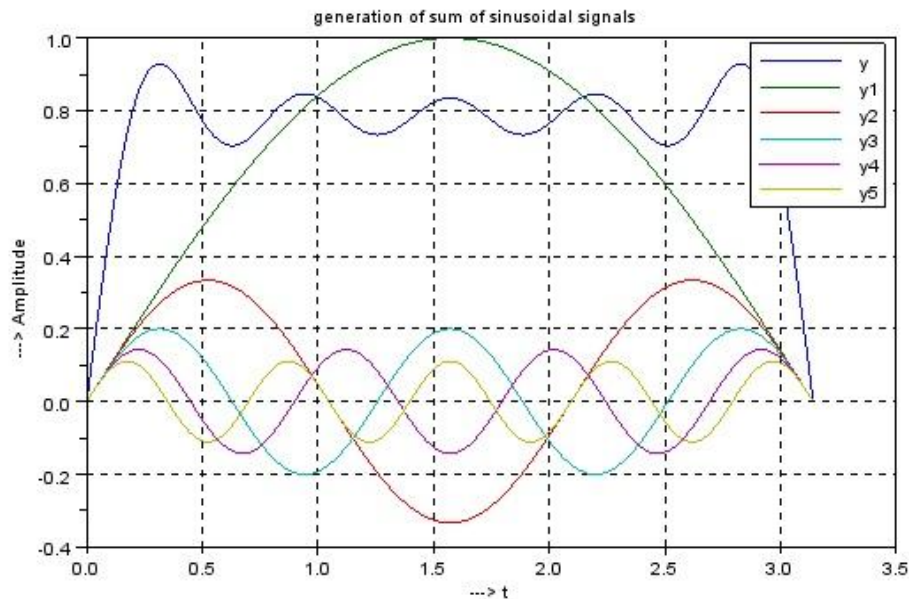
Programme: 4

```
1 // exponential signal
2 clc
3 clf ;
4 clear
5 a =1;
6 x=
7 plot2d3
8 title ('exponential signal');
9 xlabel ('t');
10 ylabel ('x');
```



Programme: 5

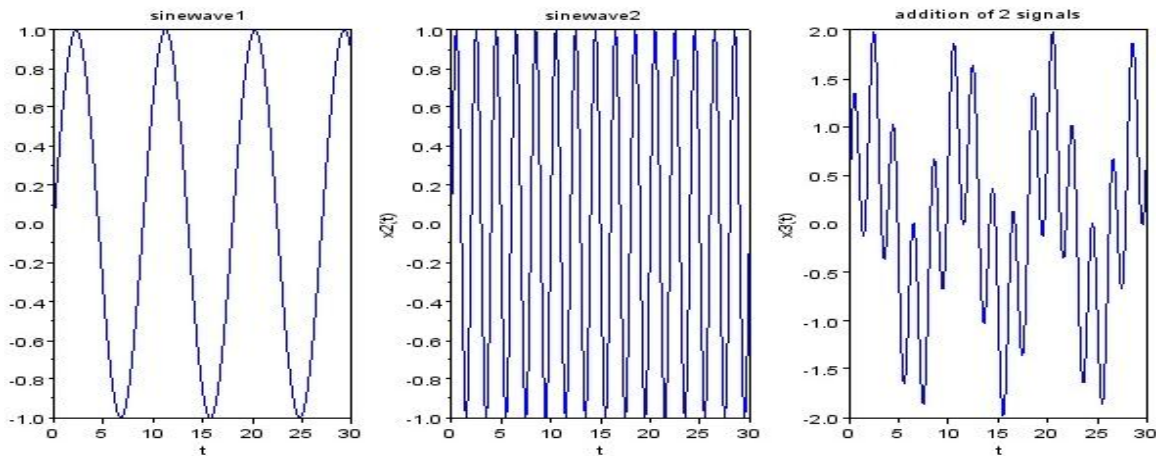
```
1 clc
2 clear
3 tic ;
4 t =0:.01: %pi ;
5 // generation of sum of sinusoidal signals
6 y1=
7 y2=
8 y3=
9 y4=
10 y5=
11 y =
12 plot
13 legend ( ' y ' , ' y1 ' , ' y2 ' , ' y3 ' , ' y4 ' , ' y5 ' );
14 title ( ' generation of sum of sinusoidal signals ' );
15 xgrid
16 ylabel ( '> Amplitude ' );
17 xlabel ( '> t ' );
18 toc ;
```



Programme: 6

```
1 // sine wave
2 clc
3 clf ;
4 clear
5 t =0:0.1:30
6 x1=
7 x2=
8 x3=x1+x2;
9 subplot
10 plot
11 title ( ' sine wave ' )
12 xlabel ( ' t ' );
13 ylabel ( ' x1 ( t ) ' );
14 subplot
15 plot
```

```
16 title ( ' s i n e w a v e 2 ' );  
17 xlabel ( ' t ' );  
18 ylabel ( ' x2 ( t ) ' );  
19 subplot  
20 plot  
21 title ( ' a d d i t i o n o f 2 s i g n a l s ' );  
22 xlabel ( ' t ' );  
23 ylabel ( ' x3 ( t ) ' );
```



Programme: 7

```
1 // sampling
2 clc
3 clf ;
4 clear
5 t =0:0.01:100;
6 fm =0.02;
7 x=
8 subplot
9 plot
10 title ( ' c o n t i n i o u s t i m e s i g n a l ' );
11 fs1 =0.002;
12 n =0:1:50;
13 x1=
14 subplot
15 plot2d3
16 title ( ' t i m e s i g n a l f s 1 <2fm ' );
17 fs2 =0.04;
18 x2=
19 subplot
20 plot2d3
21 title ( ' t i m e s i g n a l f s 2 =2fm ' );
22 fs3 =0.4;
23 x3=
24 subplot
25 plot2d3
26 title ( ' t i m e s i g n a l f s 3 >2fm ' );
```