**DIGITAL SIGNAL PROCESSING LAB EXPT.4**

**NIKHIL ROUT**

**22BEC1020**

**AIM: GENERATING A SINUSOIDAL WAVE IN CODE COMPOSER STUDIO**

**C CODE**

#include <stdio.h>  
#include<math.h>  
  
#define FREQ 500  
float m[127];  
void main()  
{  
int i=0;  
  
for(i=0;i<127;i++)  
{  
m[i]=sin(2\*3.14\*FREQ\*i/24000);  
printf("%f\n",m[i]);  
}  
}





