Name: Prabodh Wankhede

Roll no. 57

Class: SE(B)

Batch – B3

Assignment No. 9

**Program: Sine Wave**

;working

.model small

.stack 100

.data

msg db 10,13,'this is a sin wave$'

x dd 0.0

xad dd 3.0

one80 dd 180.0

sixty dd 30.0

hundred dd 50.0

row db 00

col db 00

xcursor dd 00

ycursor dt 00

count dw 360

x1 dw 0

.code

.386

main: mov ax,@data

mov ds, ax

mov ah,00

mov al,6

int 10h

up1: finit

fldpi

fdiv one80

fmul x

fsin

fmul sixty

fld hundred

fsub st,st(1)

fbstp ycursor

lea esi,ycursor

mov ah,0ch

mov al,01h

mov bh,0h

mov cx,x1

mov dx,[si]

int 10h

inc x1

fld x

fadd xad

fst x

dec count

jnz up1

mov ah,09h

lea dx,msg

int 21h

mov ah,4ch

int 21h

end main

Output:

