Name : Vishnu Kant pandey
Roll No : 304C059

Experiment no . 3
Square waveform generation

```c
#include<reg51.h>
void delay()
{
inti,j;
for(i=0;i<100;i++)
for(j=0;j<100;j++);
}
void main()
{
while(1)
{
P2=0x00; // logic0 of sqaure wave
delay(); P2=0x0ff; // logic 1 of sqaure wave
delay();
}
}
```

Triangular waveform generation

```c
#include< reg51.h>
unsigned char d;
void main(void)
{
while(1)
 {
for(d=0; d<255; d++)
 { P2 = d;
 }
for(d=255; d>0; d--)
 {
 P2 = d;
 }
 }
}
```