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**Exp\_3**

**Square waveform generation**

#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**

#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;

}

}

}