Interface 8051 with D/A converter and generate triangular wave of given frequency on oscilloscope.

```
#include <reg51.h>
sbit cs=P3^3;
sbit wr1=P3^4;
sbit xfer=P3^5;
void main()
     {
           P1 = 0x00;
           while(1)
                {
                     cs=0;
                      wr1=1;
                     xfer=1;
                      do
                      {
                      P1+=0x05;
                      }
                      while(P1<=0xff);
                      do
                      {
```

```
P1-=0x05;
}
while(P1>=0x05);
wr1=0;
xfer=0;
}
```

Output:

Triangle wave

