#include<reg52.h>

#define DEL 30000

#define LOWER 0x00

#define UPPER 100

unsigned char binbcd(unsigned char );

void delay(unsigned int del){

while(del--);

}

void main (void)

{

unsigned char val;

while(1)

{

for(val = LOWER; val < UPPER ; val++)

{

P0 = binbcd(val);

delay(DEL);

}

}

}

unsigned char binbcd(unsigned char i)

{

return(((i / 10) << 4) | (i % 10));

}