unsigned short i;

unsigned short mask(unsigned short num){

switch (num)

{

case 0:return 0xc0;

case 1:return 0xf9;

case 2:return 0xa4;

case 3:return 0xb0;

case 4:return 0x99;

case 5:return 0x92;

case 6:return 0x82;

case 7:return 0xf8;

case 8:return 0x80;

case 9:return 0x90;

}//case end

}

void main() {

intcon=0;

porta=0;

trisa=0;

portd =0;

trisd=0;

do{

for(i=0;i<=9;i++){

porta=0;

portd=mask(i);

porta=0b11111110;

delay\_ms(50);

}

}while(1);

}