//C Code for LED Display

#include<reg51.h>

void delay(int n)

{

int i, j;

for(i=0; i<n; i++)

{

for(j=0; j<1275; j++);

}

}

void main()

{

P2 = 0xFF;

while(1)

{

//To Display "PDC-LAB1"

P2 = 0x01;

delay(10);

P2 = 0x03;

delay(10);

P2 = 0x07;

delay(10);

P2 = 0x0F;

delay(10);

P2 = 0x1F;

delay(10);

P2 = 0x3F;

delay(10);

P2 = 0x7F;

delay(10);

P2 = 0xFF;

delay(10);

P2 = 0x00; //Switch off the display

delay(10);

//We can use above same code for extended display

//with simple modification of port name like P0, P1, P3

}

}