#include "mbed.h"

#include "TextLCD.h"

BusOut ledout(LED1,LED2,LED3,LED4) ;

AnalogIn ain(p19); // Pin 19 is the POT

int main ()

{

// Reading POT Voltage

float c = ain.read() ;

// Count from 0000 to 1001 in binary by changing the POT Voltage

while(1)

{

c= ain.read();

if(c<0.1)

ledout=0;

else if ( c <0.2 )

ledout=1;

else if ( c <0.3 )

ledout=2;

else if ( c <0.4 )

ledout=3;

else if ( c <0.5 )

ledout=4;

else if ( c <0.6 )

ledout=5;

else if ( c <0.7 )

ledout=6;

else if ( c <0.8 )

ledout=7;

else if ( c <0.9 )

ledout=8;

else if ( c <1.0 )

ledout=9;

}

}