#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;

 }

}