```cpp
#include <LiquidCrystal.h>
LiquidCrystal lcd(11,10,5,4,3,2);
int analogInput =0;
float vout =0.0;
float vin =0.0;
float R1 = 100000;
float R2 = 10000;
int value =0;
void setup()
{
pinMode(analogInput , INPUT );
lcd.begin(16, 2);
lcd.print("DC VOLTMETER");
Serial.begin (9600);
}
void loop()
{
value=analogRead(analogInput);
vout=(value*5.0)/1024;
vin=vout/(R2/(R1+R2));
if(vin<0.10){
vin=0.0;
}
lcd.setCursor(0,1);
lcd.print("input V=");
lcd.print(vin);
delay(500);
}
```